✠

Diario de la Navegacion, que con el favor de Dios, y de su Santisima Madre, và à executar Josef de Loso y Doris Colegial del Real Colegio de Sn. Sn. Telmo Extramuros de la Ciud. de Sevª desde el Puerto de Cadiz..... que se halla situado en la Latitud de 36° 31' 40". . . y en la Longitud de [illegible] del Meridiano que pasa por el Real Observatorio de Paris contando 180 grados al E y 180 grados al O . . . . en ela Urca de S. M. nom.ª Sta. Florentina de que es Capitan Don [illegible] Vargas. . . . . Maestre Don Bartolome [illegible] . . . . y Piloto principal Don [illegible] en el que voy destinado con Flaza de [illegible] para el Puerto de [illegible] . . . en el Reyno de [illegible] . . . . . . cuyo Puerto se halla en la Latitud 23° 40' . . . y en la Longitud de [illegible] 84° 30' 06" de dicho Meridiano. Año de 1791

7

ADVERTENCIAS QUE SE TENDRAN PRESENTES EN LA *formalidad de este Diario.*

1. *Los Pies de Burgos que tiene el Navio de Quilla son de Eslora de Manga de Mura de Puntal de Entre-Puentes Pies.*
2. *Và Calado dicho Navio, de Popa sobre* 12 *Pies, y de Proa* 17 *contiene* 400 *Toneladas de Buque; su Tripulacion consiste en* 66 *Hombres con la Oficialidad; lleva montados* 6 *Cañones; y và proveido de Aguada y Viveres para* 90 *dias de Navegacion; con buenos respetos, y Armas para su defensa.*
3. *La medida de la Corredera se compone de* 48 *pies* Ingleses *cada Milla; y cada medida de estas està subdividida en* 7 *Brazas naturales.*
4. *La Ampolleta proporcional con dicha medida se compone de* 30 *segundos horarios.*
5. *Las Cartas de que me valgo para esta Navegacion son* la Marina Francesa
6. *Las leguas de que me sirvo para los calculos son de las de* 20 *en grado.*
7. *Siempre que en el discurso de este Diario dixere pusimos, ò llevamos la Proa à tal rumbo, se deberà entender el que muestra la Aguja, y lo mismo se entenderà por el viento.*
8. *Si en los margenes de este diario, se hallaren algunos numeros, serán estos millas que se agregarán à la Distancia navegada si tienen esta nota A. ò se substraerán si llevan esta S.*
9. *En la primera columna horizontal de cada tablilla de este Diario donde dice v. g.* Dia 15 al 16 *de Abril Miercoles* tiempo civil, y 15 Astronomico, y de ☽ el 20: *se entenderà que el Miercoles es el dia 15, que empieza à contarse desde las 12 de la noche anterior, à distincion del Astronomico que empieza desde el momento en que el Sol llega al Meridiano à las 12 del dia 15 hasta que buelve al mismo punto en el 16, cumpliendo 24 horas, y este es el dia de que me valgo para el calculo; de forma que las 5 en el dia 15 Astronomico, son en el tiempo civil las 5 de la tarde del 15; pero las 19 horas Astronomicas del dicho dia 15, son las 7 de la mañana del 16 del tiempo civil, &c. y asimismo siempre que en este Diario diga, este dia he navegado à tal rumbo; he tenido este, ò aquel acaecimiento, se entenderà por el dia Astronomico.*

6

[illegible] de Patric [illegible] al Rio Janeiro

Dia 27 de Noviembre de 1791.

[illegible] se [illegible] el [illegible] continuando [illegible] tiempo para efectuar la salida, haviendo amanecido el tiempo claro el V. al NE fresquito q. amanecio todo el dia y al anochecer rolo al ENE celado.

Dia 28.

Se [illegible] [illegible] para [illegible] el relacho al salir el [illegible], haviendo amanecido el V.to al [illegible] [illegible], con [illegible] q. se [illegible] en el discurso del dia, p.r todo el cielo [illegible] el [illegible] [illegible] de la tarde [illegible] [illegible]. Al amanecer fue la Lancha [illegible] p.a [illegible] q. se [illegible] p.r la tarde, y quedo [illegible] el practico para [illegible] el tiempo oportuno, pero con la noche calmó el V.to y la [illegible] se [illegible] [illegible] al O [illegible] lo q. [illegible] se executó.

Dia 29

Amanecio [illegible] los horiz.tes [illegible] los de tierra [illegible] al NO [illegible] [illegible] [illegible] al O. [illegible] fresco y con marejada, cargandose [illegible] al 2.o q.te [illegible] lo q. [illegible] [illegible] y anochecio con los horiz.tes de tierra claros, y los de fuera [illegible] la noche [illegible] el V.to al NO [illegible].

Dia 30.

Amanecio [illegible] los horiz.tes [illegible] y [illegible] [illegible] de [illegible] [illegible] al medio dia [illegible] al NO [illegible] no se executo la salida. Anoch.e el mismo [illegible] calmo [illegible] al NO con [illegible] la q. calmo despues. A las 2 [illegible] O [illegible] los [illegible] de tierra lo q. se principio [illegible] Ameter dentro [illegible] [illegible] y nos qued.s aun [illegible] del Cable del O

Dia 1 de Diciembre

Aman.o el V.to fres.to del NE los horiz.tes de tierra Claros. A las [illegible] medio dentro las Lan.as A las 3 se suspendio el ancla [illegible] y [illegible]

la vela con todo aparejo quedando al medio dia C.NO, ESE con S.n Sebastian Dista. de 2 m.

Dia 1 al 2 de D.re

Quedo. al medio dia con el Nto al NE. con ym. y llevar de puntas atras. Resando. q.o esperar los Oficiales de el Trasporte y estando en esta cit. se metio dentro el Bote, A las 3 y 1/4 hart. lleg.o uno de los Ofici. no parec. el el otro Arrib. en vta de ODO con todo aparejo. A las 4 se mario S.n Sebastian al N 71.o E dist.a median.a de Vela al N 28 O Correg. p. cuya marcaciones p.to en la Lat. de 36.o 30. y en Lon Long. de 8.o 42. E. cuyo punto tomo p.r salido

Dia al de tiempo cibil, y Astronomico de el

H.	M	B.	Rumbos.	Vientos.	Abt.	Rbo. Cor.	Dist.	N	S.	E.	O.
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											

Primeras sumas. . . .				
Segundas sumas. . . .				
Diferencias				

Año de 17

Lat. sal.
Dif. est.
Lat. est.
Lat. obs.
Dif. obs.
Dif. dif.
Suma.
Par. med.

Long. sal.
Difer. pl.
Correg.
Esferic.
Long. lleg.

Rumb. dir.
Rumb. corr.

Dist. dir.
Dist. corr.

Corrientes.

Variaciones de la Aguja.

ACAECIMIENTOS.

Dia [illegible] *al* [illegible] *de* [illegible] *tiempo civil, y* [illegible] *Astronomico de* [illegible] *el* [illegible]

H.	M	B.	Rumbos.	Vients	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15			[illegible]	[illegible]	8°	[illegible]	[illegible]		[illegible]		[illegible]
16			[illegible]			[illegible]	[illegible]				
17			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]		[illegible]
18											
19											
20											
21			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]		[illegible]
22			[illegible]			[illegible]	[illegible]		[illegible]		[illegible]
23			[illegible]			[illegible]	[illegible]		[illegible]		
24											

Primeras sumas. . . .		[illegible]	[illegible]	[illegible]	
Segundas sumas. . . .					
Diferencias.					

Año de 17[illegible]

Lat. sal. [illegible]
Dif. est. [illegible]
Lat. est. [illegible]
Lat. obs. [illegible]
Dif. obs. [illegible]
Dif. dif. [illegible]
Suma. [illegible]
Par. med. [illegible]

Long. sal. [illegible]
Difer. pl. [illegible]
Correg.
Esferic. [illegible]
Long. lleg. [illegible]

Rumb. dir. [illegible]
Rumb. corr.

Dist. dir. [illegible]
Dist. corr.

Corrientes.

Variaciones de la Aguja
[illegible]

ACAECIMIENTOS.

[illegible]

Dia [illegible] *al* [illegible] *de* [illegible] *tiempo cibil, y* [illegible] *Astronomico de* ☽ *el*

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Corr.	Dist.	N	S.	E.	O.
1	[illegible]	[illegible]	[illegible]	[illegible]		87 [illegible]	[illegible]		[illegible]		13,5
2		[illegible]	[illegible]			87	[illegible]	1,7			11,6
3											
4	[illegible]	[illegible]									
5	[illegible]	[illegible]	[illegible]	[illegible]	15	0	[illegible]	[illegible]			[illegible]
6											
7											
8		[illegible]									
9	[illegible]	[illegible]	[illegible]		[illegible]						
10	[illegible]	[illegible]									
11	[illegible]	[illegible]									
12											
13	[illegible]	[illegible]	[illegible]		20	N 47.30. O	32,7	13,0			18
14											
15											
16	[illegible]	[illegible]									
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	N 47.30 O	12,6	[illegible]			16,6
18		[illegible]									
19		[illegible]									
20											
21	[illegible]	[illegible]	[illegible]			N 41.30 O	[illegible]	0,6			[illegible]
22	[illegible]	[illegible]			[illegible]	N 73 [illegible]	[illegible]	2,3		0,8	
23	[illegible]	6	[illegible]	[illegible]	[illegible]						
24	0	0	[illegible]	[illegible]	24	S [illegible] E	[illegible]		0,8	[illegible]	

	N	S.	E.	O.
Primeras sumas. . . .	[illegible]	3,4	1,3	[illegible]
Segundas sumas. . . .	[illegible]			1,9
Diferencias	[illegible]			[illegible]

Año de 17[illegible]

Lat. sal.	N [illegible]	[illegible]
Dif. est.	N [illegible]	20
Lat. est.	36	30
Lat. obs.		
Dif. obs.		
Dif. dif.		
Suma.	71	56
Par. med.	35	58
Long. sal.	[illegible]	[illegible]
Difer. pl.		85
Correg.		
Esferic.	[illegible]	[illegible]
Long. lleg.	11	10,0
Rumb. dir.	N 75	30 O
Rumb. corr.		
Dist. dir.	89	m.
Dist. corr.		
Corrientes.		

Variaciones de la Aguja.

[illegible]

ACAECIMIENTOS.

[illegible handwritten entries]

Dia al de [illegible] tiempo cibil , y Astronomico de [illegible] el

H.	M	B.	Rumbos.	Vients.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1			[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	
2											
3			[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
4											
5			[illegible]		[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
6											
7			[illegible]	[illegible]							
8											
9											
10											
11											
12											
13				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	
14			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
15			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	
16											
17											
18											
19											
20											
21											
22											
23			[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
24											

	N.	S.	E.	O.
Primeras sumas . . .	[illegible]	[illegible]	[illegible]	[illegible]
Segundas sumas . . .	[illegible]			[illegible]
Diferencias	[illegible]			[illegible]

Año de 17

Lat. sal. [illegible] 36° [illegible]
Dif. est. [illegible]
Lat. est. [illegible] 6° 19
Lat. obs. [illegible] 36°
Dif. obs. N 36
Dif. dif. [illegible]
Suma. 72 [illegible]
Par. med. 36 [illegible]

Long. sal. [illegible]
Difer. pl. [illegible]
Correg.
Esferic. [illegible]
Long. lleg. [illegible]

Rumb. dir. [illegible]
Rumb. corr. [illegible]

Dist. dir. [illegible]
Dist. corr. [illegible]

Corrientes.

Variaciones de la Aguja
[illegible]

ACAECIMIENTOS.

[illegible]

Dia [illegible] *al* 6 *de* [illegible] *tiempo cibil , y* [illegible] *Astronomico de* ☽ *el* [illegible]

H.	M	B.	Rumbos.	Vient	Ab.	Rho. Cor.	[illegible]	N	S.	E.	O.
1			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]		[illegible]
2											
3			[illegible]			[illegible]	[illegible]		[illegible]		[illegible]
4											
5						[illegible]	[illegible]		[illegible]		
6											
7											
8											
9											
10											
11	6										
12											
13				[illegible]		[illegible]	[illegible]		[illegible]		[illegible]
14											
15											
16											
17				[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]
18											
19											
20											
21			[illegible]	[illegible]		[illegible]	[illegible]				[illegible]
22	6		[illegible]	[illegible]		[illegible]	[illegible]				
23											
24											

Año de 17[illegible]

Lat. sal. [illegible]
Dif. est. [illegible]
Lat. est. [illegible]
Lat. obs. [illegible] 28
Dif. obs. [illegible] 55
Dif. dif. [illegible]
Suma. 70 [illegible]
Par. med. [illegible]

Long. sal. [illegible]
Difer. pl. [illegible]
Correg.
Esferic. [illegible]
Long. lleg. [illegible]

Rumb. dir. [illegible]
Rumb. corr. [illegible]

Dist. dir. [illegible]
Dist. corr. [illegible]

Corrientes.

	N	S.	E.	O.
Primeras sumas. . . .		[illegible]		[illegible]
Segundas sumas. . . .				
Diferencias				

Variaciones de la Aguja. [illegible]

ACAECIMIENTOS.

[illegible handwritten entries]

Dia 6 *al* [illegible] *de* [illegible] *tiempo cibil , y* 6 *Astronomico de* [illegible] *el*

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	[illegible]	[illegible]	[illegible]	[illegible]	1	S 31°30 O	28,1		[illegible]	"	[illegible]
2											
3											
4											
5				[illegible]		S 29,0	22,1	"	[illegible]	"	17,2
6											
7											
8		6									
9				[illegible]		S [illegible] 40	19, [illegible]		[illegible]		[illegible]
10				[illegible]							
11				NNO							
12											
13	6		[illegible]	[illegible]	00	S 12°45	21,6	"	20,1	"	22,9
14											
15											
16				[illegible]							
17											
18											
19			[illegible]			S [illegible] 0	24,5	"	2[illegible],1	"	22,9
20											
21				[illegible]							
22	6		[illegible]	[illegible]							
23											
24	6										

		N.	S.	E.	O.
ACAECIMIENTOS.	Primeras sumas	"	2[illegible],6	"	[illegible]
	Segundas sumas				
	Diferencias				

Año de 17[illegible]

Lat. sal.	[illegible] 20
Dif. est.	S 1° 30,7
Lat. est.	N 32 57,3
Lat. obs.	N 32 45,6
Dif. obs.	1 43,2
Dif. dif.	S 12,1
Suma.	67 10,6
Par. med.	33 35,[illegible]
Long. sal.	12 52,04
Difer. pl.	101,70
Correg.	
Esferic.	2° 0 00
Long. lleg.	14 [illegible]
Rumb. dir.	S 28° O
Rumb. corr.	S O
Dist. dir.	[illegible]
Dist. corr.	[illegible]
Corrientes.	

Variaciones de la Aguja
18° NO

[illegible]

Dia [illegible] *al* [illegible] *de* [illegible] *tiempo util, y* [illegible] *Astronomico de* ☽ *el*

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.
1	6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12.4	[illegible]	9.6	[illegible]	68.6
2	[illegible]	4	[illegible]	[illegible]		[illegible]	26.0		[illegible]	[illegible]	[illegible]
3	6	[illegible]									
4	6	[illegible]									
5	[illegible]	6									
6	[illegible]	[illegible]									
7	7	[illegible]									
8	6	[illegible]									
9	6	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	62.0
10	[illegible]	[illegible]									
11	[illegible]	[illegible]									
12	[illegible]	2									
13	6	[illegible]									
14	[illegible]	[illegible]									
15	[illegible]	[illegible]									
16	[illegible]	[illegible]									
17	[illegible]	[illegible]									
18	[illegible]	[illegible]									
19	[illegible]	[illegible]									
20	6	5									
21	[illegible]	[illegible]									
22	[illegible]	[illegible]									
23	[illegible]	[illegible]									
24	7	2									

	N	S.	E.	O.
Primeras sumas. . . .		[illegible]		[illegible]
Segundas sumas. . . .				
Diferencias				

Año de 17[illegible]

Lat. sal. [illegible]
Dif. est. [illegible]
Lat. est. [illegible]
Lat. obs. [illegible]
Dif. obs. [illegible]
Dif. dif. [illegible]
Suma. [illegible]
Par. med. [illegible]

Long. sal. [illegible]
Difer. pl. [illegible]
Correg.
Esferic. 2 00 [illegible]
Long. lleg. [illegible]

Rumb. dir. [illegible]
Rumb. corr. [illegible]

Dist. dir. [illegible]
Dist. corr. [illegible]

Corrientes.

Variaciones de la Aguja.
[illegible]

ACAECIMIENTOS.

[illegible]

Dia [illegible] al [illegible] de [illegible] tiempo cibil, y Astronomico de [illegible] el

H.	M	B.	Rumbus.	Vients	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	7	[illegible]	[illegible]	[illegible]	[illegible]	S. 34° [illegible]	7 [illegible]		7 6		[illegible]
2	7	3	[illegible]			S. 35° [illegible]	[illegible]		[illegible]		[illegible]
3	[illegible]	3	[illegible]			S. 32 [illegible]	[illegible]		[illegible]		[illegible]
4	7	2									
5	7	[illegible]									
6	7	[illegible]									
7	7	3									
8	7	2									
9	[illegible]	[illegible]									
10	[illegible]	[illegible]									
11	[illegible]	[illegible]									
12	7	[illegible]									
13	[illegible]	[illegible]									
14	6	4									
15	6	4									
16	6	2									
17	[illegible]	[illegible]									
18	[illegible]		S 0 [illegible]	[illegible]		[illegible]	[illegible]		[illegible]		[illegible]
19	7										
20	6	6									
21	[illegible]	[illegible]	[illegible]		[illegible]	S 27 [illegible]	[illegible]		[illegible]		[illegible]
22	[illegible]	[illegible]									
23	[illegible]	[illegible]	[illegible]			[illegible]	12 [illegible]				
24		[illegible]									

	N.	S.	E.	O.
Primeras sumas . . .				
Segundas sumas . . .				
Diferencias.				

Año de 17[illegible]

Lat. sal.	N 30. 46.
Dif. est.	S 2. 18.
Lat. est.	N 28° 27.
Lat. obs.	N 28. 15
Dif. obs.	S 2° [illegible]
Dif. dif.	S [illegible]
Suma.	59 [illegible]
Par. med.	29 30. 5
Long. sal.	16° 52 [illegible]
Difer. pl.	90. [illegible]
Correg.	
Esferic.	[illegible]
Long. lleg.	[illegible] 50
Rumb. dir.	S [illegible]
Rumb. corr.	S 31° 00
Dist. dir.	16[illegible] m.
Dist. corr.	175 m.
Corrientes.	

Variaciones de la Aguja
[illegible]

ACAECIMIENTOS.

[illegible]
... N 54 O ... 10 ...
... 28° 15. ...

Dia [illegible] *al* [illegible] *de* [illegible] *tiempo civil , y* [illegible] *Astronomico de* [illegible] *el*

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	[illegible]	N	S	E.	O.
1	[illegible]	[illegible]	SO	CNE							
2	6	[illegible]									
3	5	6									
4	7	7½									
5	[illegible]	[illegible]	SO	NE		S 30° O	32,7		[illegible]		16
6	7	[illegible]									
7	[illegible]	6									
8	[illegible]	1									
9	[illegible]	6	OSO	ENE		[illegible]	80		[illegible]		[illegible]
10	7	[illegible]									
11	7	[illegible]									
12	7	5									
13	7										
14	7	7									
15	6	6									
16	6										
17	6	6									
18	7	[illegible]									
19	7	0									
20	6	7									
21	[illegible]	2	OSO			S 33 O	27,1		[illegible]		[illegible]
22	[illegible]	6									
23	[illegible]	0	Rº [illegible]								
24	0	0									

Año de 17[illegible]		
Lat. sal.	[illegible] 23 [illegible]	
Dif. est.	[illegible]	
Lat. est.	26° 34,9	
Lat. obs.	26° 28	
Dif. obs.	[illegible]	
Dif. dif.	6	
Suma.	54	43,0
Par. med.	27	21,5
Long. sal.	18° 27 6	
Difer. pl.	[illegible]	
Correg.		
Esferic.	2° 00	
Long. lleg.	20° 27 0	
Rumb. dir.	[illegible]	
Rumb. corr.	S [illegible]	
Dist. dir.	144 [illegible]	
Dist. corr.	137 [illegible]	
Corrientes.		

	N	S	E.	O.
Primeras sumas. . .		[illegible]		[illegible]
Segundas sumas. . .				
Diferencias				

Variaciones de la Aguja.
[illegible]

ACAECIMIENTOS.

[illegible handwritten entry] ... Mar ... al OSO ...
[illegible] ... Mar [illegible] ... se apareo al O 4 SO
[illegible] 22 ... cayo al ... [illegible]
[illegible]
Gazeta.

Dia [illegible] *al* [illegible] *de* [illegible] *tiempo cibil , y* [illegible] *Astronomico de* ☽ *el*

H.	M.	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	6		[illegible]	[illegible]		[illegible]	17				
2	6	4									
3											
4											
5	8										
6	7			[illegible]							
7											
8											
9				[illegible]	[illegible]						
10											
11				[illegible]							
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23	6										
24											

		N.	S.	E.	O.
ACAECIMIENTOS.	Primeras sumas . . .				
	Segundas sumas . . .				
	Diferencias.				

Año de 17

Lat. sal. [illegible]
Dif. est. [illegible]
Lat. est. [illegible]
Lat. obs. [illegible]
Dif. obs. [illegible]
Dif. dif. [illegible]
Suma. [illegible]
Par. med. [illegible]

Long. sal. [illegible]
Difer. pl. [illegible]
Correg.
Esferic. 2° 38
Long. lleg. 23° 05.0

Rumb. dir. [illegible]
Rumb. corr. [illegible]

Dist. dir. [illegible]
Dist. corr. [illegible]

Corrientes.

Variaciones de la Aguja
[illegible] 14 [illegible]

[illegible]

Dia [illegible] *al* [illegible] *de* [illegible] *tiempo cibil , y* [illegible] *Astronomico de* ☽ *el* [illegible]

H.	M	B.	Rumbos.	Vient	Ab.	Rbo. Cor.	Dist	N	S	E.	O.
1	5		[illegible]	[illegible]		[illegible]	[illegible]		58.[illegible]		[illegible] 8.6
2	6										
3	4										
4	6	0									
5	5	7									
6	5	6									
7	5	5									
8	6	[illegible]									
9	[illegible]	7									
10	[illegible]	[illegible]									
11	6	[illegible]									
12	[illegible]	[illegible]									
13	[illegible]										
14	[illegible]	6		[illegible]							
15	[illegible]	[illegible]									
16	5	[illegible]									
17	6	5									
18	7	3									
19	7	[illegible]									
20	6	[illegible]									
21	4	4									
22	4	1									
23	[illegible]	[illegible]									
24	[illegible]	[illegible]									

ACAECIMIENTOS.		N	S	E.	O.
	Primeras sumas. . .				
	Segundas sumas. . .				
	Diferencias				

Año de 17[illegible]

Lat. sal. [illegible]
Dif. est. [illegible]
Lat. est. [illegible]
Lat. obs. 7 [illegible] ° 2[illegible]
Dif. obs. [illegible]
Dif. dif. 5 [illegible]
Suma. [illegible]
Par. med. 2[illegible] 53. 7

Long. sal. 23° [illegible]
Difer. pl. 178. 6
Correg.
Esferic. [illegible]
Long. lleg. [illegible]

Rumb. dir. [illegible]
Rumb. corr. [illegible]

Dist. dir. 140.6
Dist. corr. 140. 6

Corrientes.

Variaciones de la Aguja.
14 [illegible]

[illegible]

Dia [illegible] *al* [illegible] *de* [illegible] *tiempo cibil, y* [illegible] *Astronomico de* ☽ *el*

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1			[illegible]	[illegible]		56° 40'	38		32		88
2											
3		3		NE							
4		2									
5											
6											
7											
8		1									
9											
10											
11											
12											
13					00°	62° [illegible]	56.[illegible]		24		[illegible]
14											
15											
16	3										
17	3			NE							
18		3									
19											
20											
21	3	3									
22	3										
23											
24	3	5									

		N.	S.	E.	O.
ACAECIMIENTOS.	Primeras sumas . . .		[illegible]		[illegible]
	Segundas sumas . . .				
	Diferencias.				

Año de 17

Lat. sal. N [illegible]
Dif. est. 46.1
Lat. est. 23° [illegible]
Lat. obs. 2[illegible]
Dif. obs. [illegible]
Dif. dif. [illegible]
Suma. 48° 04.5
Par. med. 24.02.2

Long. sal. 26° 6.2
Difer. pl. 83.5
Correg.
Esferic. 1° 37.3
Long. lleg. [illegible]

Rumb. dir. S 64° [illegible]
Rumb. corr. [illegible]

Dist. dir. 90
Dist. corr. [illegible]

Corrientes.

Variaciones de la Aguja
NE 10°

[illegible] ... mayo.

Dia [illegible] al [illegible] de [illegible] tiempo cibil, y [illegible] Astronomico de [illegible] el

H.	M.	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	L	N	S.	E.	O.
1			3[illegible]	E N E		S. 65. [illegible]	[illegible]				
2											
3	5										
4											
5				N E							
6				N N E							
7				N E							
8											
9						S 6[illegible]	5[illegible]				
10		6									
11											
12											
13											
14	6										
15	6										
16	6	0									
17	7			E N E							
18	5										
19	7			E N E							
20	5										
21	7										
22											
23											
24	6										

	N	S.	E.	O.
Primeras sumas. . . .		5[illegible]		[illegible]
Segundas somas. . . .				
Diferencias				

Año de 17

Lat. sal. 23° 1'
Dif. est. 17. 3
Lat. est. 21. [illegible]
Lat. obs. [illegible]
Dif. obs.
Dif. dif. 2 [illegible]
Suma. 6[illegible]
Par. med. 23, 13.

Long. sal. 7° 3 [illegible]
Difer. pl. 123. [illegible]
Correg.
Esferic. [illegible] 15
Long. lleg. 23° 16. 0

Rumb. dir. [illegible] 0
Rumb. corr. 6[illegible]

Dist. dir. 13[illegible]
Dist. corr. 13[illegible]

Corrientes.

Variaciones de la Aguja.

ACAECIMIENTOS.

[illegible] al [illegible] [illegible] [illegible] [illegible] NE [illegible] NE [illegible] concluyo a [illegible] [illegible] ENE [illegible] NE [illegible] NNE.

Dia [illegible] *al* [illegible] *de* [illegible] *tiempo cibil , y* [illegible] *Astronomico de* [illegible] *el*

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	7	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]				
2	[illegible]										
3	[illegible]										
4	[illegible]										
5	[illegible]										
6	6										
7	[illegible]										
8	8										
9	[illegible]										
10	[illegible]										
11	[illegible]										
12	7										
13	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]				
14	[illegible]										
15	7	[illegible]									
16											
17	[illegible]										
18	[illegible]										
19	[illegible]										
20		c	R.C.I.P								
21											
22		[illegible]									
23	6										
24	7	[illegible]									

Primeras sumas . . .					
Segundas sumas . . .					
Diferencias.					

Año de 173[illegible]

Lat. sal. [illegible] 22 46
Dif. est. [illegible] 46
Lat. est. [illegible]
Lat. obs. [illegible]
Dif. obs. [illegible] 33
Dif. dif. [illegible]
Suma. [illegible]
Par. med. [illegible]

Long. sal. [illegible]
Difer. pl. [illegible]
Correg.
Esferic. [illegible]
Long. lleg. [illegible]

Rumb. dir. [illegible]
Rumb. corr. [illegible]

Dist. dir. [illegible]
Dist. corr. [illegible]

Corrientes.

Variaciones de la Aguja [illegible]

ACAECIMIENTOS.

[illegible]

Dia [illegible] *de* [illegible] *tiempo cibil , y* [illegible] *Astronomico de* ☽ *el*

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.
			[illegible]	[illegible]		[illegible]	82.4		5		7[illegible]
1											
2											
3											
4		6									
5	3	4									
6	0	8									
7		6									
8		0									
9	6	4									
10	6	1									
11		4									
12	7	0									
13	6	5	[illegible]	[illegible]		S 69°13,0	2[illegible]7		[illegible]		[illegible]
14		6									
15	6	6									
16	6										
17	6		[illegible]			S 72°13 0	[illegible]		6		
18	6	3									
19	6	1									
20	6	1									
21											
22		4									
23											
24	6	5									

ACAECIMIENTOS.	Primeras sumas. . . .		[illegible]		[illegible]
	Segundas sumas. . . .				
	Diferencias				

Año de 17[illegible]

Lat. sal. N 2[illegible] 8
Dif. est. S 1[illegible]
Lat. est. [illegible]
Lat. obs. [illegible] 21° [illegible]
Dif. obs. [illegible]
Dif. dif. 1
Suma. 0 23
Par. med. 21 [illegible]

Long. sal. 32.18,6 [illegible]
Difer. pl. 142 [illegible]
Correg.
Esferic. 2 [illegible]
Long. lleg. 35 [illegible]

Rumb. dir. S 72° [illegible]
Rumb. corr.

Dist. dir. 160 m.
Dist. corr.

Corrientes.

Variaciones de la Aguja.
[illegible]

[illegible]

Dia [illegible] *al* [illegible] *de* [illegible] *tiempo cibil*, *y* [illegible] *Astronomico de* ☽ *el*

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18	6										
19	6										
20											
21											
22											
23		0									
24		6									

Año de 17[illegible]

Lat. sal. [illegible]
Dif. est. [illegible]
Lat. est. [illegible]
Lat. obs. [illegible]
Dif. obs. [illegible]
Dif. dif. 6,[illegible]
Suma. [illegible]
Par. med. [illegible]

Long. sal. 35° 06 [illegible]
Difer. pl. [illegible]
Correg.
Esferic. [illegible] 2
Long. lleg. 37° [illegible]

Rumb. dir. [illegible]
Rumb. corr. [illegible]

Dist. dir. [illegible]
Dist. corr. [illegible]

Corrientes. . .

	N.	S.	E.	O.
Primeras sumas		[illegible]		[illegible]
Segundas sumas				
Diferencias.				

ACAECIMIENTOS.

Variaciones de la Aguja
[illegible]

[illegible]

Dia [illegible] al [illegible] de [illegible] tiempo civil, y [illegible] Astronomico de D el [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	J	N	S.	E.	O.
1	[illegible]	2	SO [illegible]	[illegible]		S 7? [illegible]	[illegible]		36		130
2	[illegible]	3									
3	[illegible]	4									
4	7	1									
5	5	0									
6	5	3									
7	5	1									
8	5	1									
9	5	5									
10	5	6									
11	5	6									
12	6	0									
13	6	1									
14	5	6									
15	5	4									
16	5	1									
17	4	6									
18	5	5									
19	5	5									
20	5	6									
21	6	2									
22	6	1									
23	6	1									
24	6	1									

Año de 17[illegible]

Lat. sal. N 21° 01'
Dif. est. S 36
Lat. est. N 20° 25
Lat. obs. N 20° 30
Dif. obs. N 39
Dif. dif. N 3
Suma. 41° 31
Par. med. 20° 15

Long. sal. 37° 19, 8 [illegible]
Difer. pl. 130 mill.
Correg.
Esferic. 2° 19
Long. lleg. 39 33. 30.

Rumb. dir. S 75 [illegible]
Rumb. corr. S 73, 30 [illegible]

Dist. dir. 134, 7 [illegible]
Dist. corr. 135

Corrientes.

	N	S	E	O
Primeras sumas. . . .				
Segundas sumas. . . .				
Diferencias				

Variaciones de la Aguja.
N O 10° 10.

ACAECIMIENTOS.

Continuamos al medio corriendo a barlo [illegible] con todo aparejo al [illegible] a [illegible] con [illegible] y marejada [illegible].
[illegible] con el mismo [illegible] fresco los horizontes [illegible] y menos mar.
[illegible] con [illegible] fresco la marejada menos [illegible], los [illegible] 2° y 3° [illegible] cargados.

Dia [illegible] *al* [illegible] *de* [illegible] *tiempo civil, y* [illegible] *Astronomico de* [illegible] *el*

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]
2		1									
3											
4											
5											
6											
7											
8		0									
9											
10	5	1									
11	5	[illegible]									
12											
13											
14	5	1									
15	5										
16											
17		0									
18	5	5									
19	6										
20		3									
21	6										
22											
23											
24											

ACAECIMIENTOS.	Primeras sumas.		[illegible]		[illegible]
	Segundas sumas.				
	Diferencias.				

Año de 179[illegible]

Lat. sal. [illegible]
Dif. est. 28,3
Lat. est. [illegible]
Lat. obs. [illegible]
Dif. obs. 21,0
Dif. dif. 7,3
Suma.
Par. med. 20 19

Long. sal. [illegible]
Difer. pl. 123,0
Correg.
Esferic. 2° 11 0
Long. lleg. [illegible]

Rumb. dir. S 77 00 O
Rumb. corr. S [illegible] O

Dist. dir. 126 [illegible]
Dist. corr. [illegible]

Corrientes.

Variaciones de la Aguja
[illegible]

[illegible]

Dia [illegible] al [illegible] de [illegible] tiempo civil, y [illegible] Astronomico de ☽ el

H.	M	B.	Rumbos.	Vient.	Ab.	Rho. Cor.	Dist.	N	S	E.	O.
1	5	[illegible]	[illegible]	E.NE		S79° [illegible]	156		28,0		15,5
2	6	4									
3	6	0									
4	5	2									
5	[illegible]	[illegible]									
6	5	6									
7	[illegible]	[illegible]									
8	[illegible]	[illegible]									
9	6	8		E.NE							
10	6	[illegible]									
11											
12		5									
13	[illegible]	[illegible]		E.NE							
14	[illegible]	[illegible]									
15	6	6									
16	6	6									
17	[illegible]	6									
18	[illegible]	4									
19	6	3									
20	6	3									
21	[illegible]	[illegible]									
22	6	6									
23	5	1									
24	[illegible]	6									
						Primeras sumas. . . .			28,0		15,5
						Segundas sumas. . . .					
ACAECIMIENTOS.						Diferencias					

Año de 17[illegible]	
Lat. sal.	[illegible]
Dif. est.	[illegible]
Lat. est.	[illegible]
Lat. obs.	[illegible]
Dif. obs.	39 [illegible]
Dif. dif.	[illegible]
Suma.	39° 48,6
Par. med.	19 [illegible] 3
Long. sal.	[illegible]
Difer. pl.	[illegible]
Correg.	
Esferic.	2° 34 [illegible]
Long. lleg.	[illegible] 23 [illegible]
Rumb. dir.	S 78 [illegible] O
Rumb. corr.	S 78.40 O
Dist. dir.	148 m.
Dist. corr.	[illegible] m.
Corrientes.	
Variaciones de la Aguja.	[illegible] 6° [illegible]

[illegible] Amanecio en los mismos terminos [illegible] NE [illegible]

Dia [illegible] al [illegible] de [illegible] tiempo civil, y [illegible] Astronomico de [illegible] el

H.	M	B.	Rumbos.	Vients	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1			[illegible]	[illegible]					[illegible]		[illegible]
2	5	3									
3	5	3									
4	5	3									
5	5	2									
6	5	2									
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											

Primeras sumas. . . .	
Segundas sumas. . . .	
Diferencias.	

ACAECIMIENTOS.

Año de 17

Lat. sal. [illegible]
Dif. est. [illegible]
Lat. est. [illegible]
Lat. obs. [illegible]
Dif. obs. [illegible]
Dif. dif.
Suma. [illegible]
Par. med. [illegible]

Long. sal. [illegible]
Difer. pl. [illegible]
Correg.
Esferic. [illegible]
Long. lleg. [illegible]

Rumb. dir. [illegible]
Rumb. corr. [illegible]

Dist. dir. [illegible]
Dist. corr. [illegible]

Corrientes.

Variaciones de la Aguja

[illegible]

[illegible]

Dia 13 *al* 22 *de* [illegible] *tiempo cibil* , y 22 *Astronomico de* [illegible] *el* 6

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.
1	2	3	OSO	OSO	00	S81. O	108. 7		13.5		108
2	4	6									
3	3										
4											
5	4	2									
6		6									
7											
8		1									
9	4	4									
10	3	2									
11		1									
12											
13	5			ESE							
14	3										
15	4	4									
16	3	1		ESE							
17		1		ESE							
18	3	6									
19		6									
20											
21	7	1		ESE							
22											
23											
24											

Año de 179[illegible]

Lat. sal. N 13° 18
Dif. est. S 13.5
Lat. est. N 13 04.7
Lat. obs. N 13 05
Dif. obs. S 13.0
Dif. dif. N 0.6
Suma. 26 [illegible]
Par. med. 13 10.5

Long. sal. [illegible] 58 [illegible]
Difer. pl. 108
Correg.
Esferic. 1 56
Long. lleg. 8 51 [illegible]

Rumb. dir. S 81° O
Rumb. corr. S 81 [illegible]

Dist. dir. 108
Dist. corr. 109

Corrientes.

Primeras sumas. . . .				
Segundas sumas. . . .				
Diferencias				

ACAECIMIENTOS.

Variaciones de la Aguja. NO 10½

[illegible] NNE [illegible] ESE [illegible] NE [illegible] se metieron [illegible] baxo

Dia 1 al 2 de Dicie [illegible] tiempo cibil, y 2 Astronomico de 1 al 2

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	4	6	OSO	E·E	10	S82°O	93,7				
2	4	4									
3		1									
4	4	6									
5	4	5									
6		3		SE¼E							
7	3										
8	3	6									
9	4	5									
10	3			E¼SE							
11		"									
12		"									
13	5										
14				SE							
15	4	6									
16											
17	3	"									
18	3										
19	3										
20		6		ENE							
21	3	"		ESE							
22	3	5									
23		"									
24		3									

Año de 1791

Lat. sal. N 19 0,
Dif. est. S 13,0
Lat. est. N 18 51,1
Lat. obs. N 18 55,0
Dif. obs. S 10
Dif. dif. [illegible]
Suma. 38 00,
Par. med. 19 00 1

Long. sal. 18,00,1
Difer. pl. 93,1
Correg.
Esferic. 1 38,0
Long. lleg. 50,31,9,0

Rumb. dir. S 8[illegible]
Rumb. corr. S 82° [illegible]

Dist. dir. 93,7
Dist. corr. 93,0

Corrientes.

ACAECIMIENTOS.		N.	S.	E.	O.	Variaciones de la Aguja
	Primeras sumas . . .					
	Segundas sumas . . .					
	Diferencias.					2 NE

[illegible] con [illegible] ESE [illegible] NE [illegible] ENE a las [illegible] 13 [illegible] NNE

Dia 23 al 24 de Oct.e Sabado tiempo cibil, y 24 Astronomico de D el 28

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.
1	4	3	OSO	[illegible]	[illegible]	[illegible]	3,6		[illegible]		[illegible]
2	5	1									
3	4	6	O.SO			S75.46O	61.0		14.0		59.0
4	4	3									
5	1	3									
6	2										
7	2			ENE							
8	2										
9	1	0									
10	3	3		E.E							
11		4									
12	3	2									
13	3	2									
14	4	7		NE							
15	4	4									
16	4	4									
17	6	6									
18	3	0									
19	2	0		[illegible]							
20	2	4		[illegible]							
21	6	3									
22	6	2									
23		6									
24		0									

	N	S.	E.	O.
Primeras sumas. . .		16		66
Segundas sumas. . .				
Diferencias				

Año de 1791

Lat. sal.	N 18. 55
Dif. est.	S 16. 3
Lat. est.	N 18. 39
Lat. obs.	N 18. [illegible]
Dif. obs.	S 18. [illegible]
Dif. dif.	[illegible]
Suma.	37. 36
Par. med.	18. [illegible]
Long. sal.	50. 21. [illegible]
Difer. pl.	66. 0
Correg.	
Esferic.	1. 19. 2
Long. lleg.	51. [illegible]
Rumb. dir.	S 76. [illegible]
Rumb. corr.	S 79. 16 O
Dist. dir.	[illegible]
Dist. corr.	68. 0
Corrientes.	

Variaciones de la Aguja.

NO 3.° 00

ACAECIMIENTOS.

[illegible]

Dia [illegible] *al* [illegible] *de* Diciem.e Dom.o *tiempo civil*, *y* [illegible] *Astronomico de* D. el 29

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]
2											
3											
4											
5		5									
6		5									
7	4			[illegible]							
8											
9											
10											
11		6									
12		6									
13		6									
14											
15											
16											
17			[illegible]	[illegible]		[illegible]	31,0		11,8		22,6
18		2	R.9 C.I.P.								
19											
20		5									
21		5									
22											
23											
24											

		N.	S.	E.	O.
	Primeras sumas . . .		8,0		20,6
	Segundas sumas. . .				
ACAECIMIENTOS.	Diferencias.				

Año de 1791

- Lat. sal. N 18° 41
- Dif. est. S 25
- Lat. est. 18 16
- Lat. obs. 18 20
- Dif. obs. S 21
- Dif. dif. N 4,0
- Suma. 37 01
- Par. med. 18 30,5
- Long. sal. 51° 54, 0
- Difer. pl. 8 [illegible]
- Correg.
- Esferic. 1 23 3
- Long. lleg. [illegible] 21 3[illegible]
- Rumb. dir. S 76 19 0
- Rumb. corr. S 76° 20 0
- Dist. dir. 31 m. 80
- Dist. corr. 30. 3
- Corrientes.

Variaciones de la Aguja: 2° N[illegible]

Seg. [illegible] al [illegible] [illegible] [illegible] y [illegible]
y [illegible] [illegible] con [illegible] [illegible] el [illegible]
el [illegible] [illegible] [illegible] [illegible] al [illegible]
[illegible] el [illegible] [illegible] [illegible] y
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible]

Dia 25 al 26 de [illegible] tiempo cibil, y 26 Astronomico de [illegible] el [illegible].

H.	M.	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S	E.	O.
1	5	4	[illegible]	[illegible]	[illegible]	S 7° 10	36.3	[illegible]	03.4	[illegible]	35.5
2	4	[illegible]									
3	4	4									
4	4	5		[illegible] y [illegible] SE							
5	4	[illegible]		vario							
6	4	[illegible]		E							
7	4										
8	4										
9	[illegible]	2	[illegible]	"		S 53° 160	60	"	45		02.4
10	3	6									
11	3	6									
12	[illegible]	[illegible]									
13	5	1									
14	5	[illegible]									
15	4	2									
16	[illegible]	11									
17	4	1									
18	3	3									
19	[illegible]	4									
20	3	[illegible]									
21	3	4		[illegible]							
22	4	1		[illegible]							
23	4	6		[illegible]							
24	3	5		5 0							

Año de 1793

Lat. sal. N 18° 50.
Dif. est. S. 16.
Lat. est. N 18 03.4
Lat. obs.
Dif. obs.
Dif. dif.
Suma. 36 23.4
Par. med. 18 11.7

Long. sal. 57° 20 . 0
Difer. pl. 1[illegible].59
Correg.
Esferic. 1. 50
Long. lleg. 55 [illegible]

Rumb. dir. S 81° 160
Rumb. corr.

Dist. dir. 105 m. 60.
Dist. corr.

Corrientes.

		N	S	E.	O.
Primeras sumas. . . .			16 6		[illegible]
Segundas sumas. . . .					
Diferencias					

Variaciones de la Aguja.
[illegible]

ACAECIMIENTOS.

[illegible] aparejo la [illegible] ESE [illegible] tan incómoda [illegible] e [illegible] Cong. [illegible] E, SE [illegible] 15 [illegible] el [illegible] SSE y se mantuvo dentro de [illegible] [illegible] ESE [illegible] el [illegible] mantuvo lloviendo [illegible]

Dia 26 al 27 de Diciembre del Año, tiempo civil, y 27 Astronomico de D el 2.

H.	M.	B.	Rumbos.	Vient.	Ab.	Rho. Cor.	Dist.	N.	S.	E.	O.
1	2	6	O¼N	ESE		N82 O	2,7	0,3	"	"	2,7
2	3	1	OSO			S82 O	3,1	"	0,4	"	3,1
3	6	3	O	SE		S83 O	22,3	"	0,5	"	22,3
4	6	2		ESE							
5	3	2									
6	5	1									
7	6	2									
8	1	5	SO	ONO		S41 O	10,7	"	1,2	"	1,2
9	1	2	NNE	NO¼O		N26,30 E	1,3	1,1	"	0,6	
10	"	"									
11	"	"	Calma								
12	"	"									
13	"	"									
14	1	5	O	SE		S83 O	37,3	"	01,0	"	37,2
15	3	1									
16	3	2									
17	"	"		SSE							
18	"	"		ESE							
19	1	5									
20	4	2		SE							
21	5	5		SSE							
22	5	6									
23	4	3									
24	4	1		SSE							
						Primeras sumas . . .		4,4	5,4	0,6	75,0
						Segundas sumas . . .		3,4			0,6
						Diferencias.		1,0			74,4

Año de 1791

Lat. sal.	N 18° 21
Dif. est.	S 15,6
Lat. est.	N 18° 05,4
Lat. obs.	N 18. 16,2
Dif. obs.	S 4,8
Dif. dif.	N 10,4
Suma.	36 37,2
Par. med.	18 18
Long. sal.	53,27,40
Difer. pl.	79,3
Correg.	
Esferic.	3,09,3
Long. lleg.	56,35,70
Rumb. dir.	S 89° 40 O
Rumb. corr.	S 86° 40 O
Dist. dir.	74,5 m
Dist. corr.	74,8 m
Corrientes.	

Variaciones de la Aguja

NO 1°

ACAECIMIENTOS.

Al medio dia quedamos con todo aparejo, vto ESE lluvioso govern. al OSO [illegible] poco [illegible] todas velas menudas y [illegible] con las [illegible] vto al SO [illegible], a las 3 se apoyó al [illegible] [illegible] vto al SE [illegible] vto y [illegible] [illegible] se [illegible] a las 10 y se [illegible] al 2 [illegible] NO con [illegible] [illegible] [illegible] a las 18 se [illegible] [illegible] se [illegible] velas menudas. [illegible] amaneció [illegible] [illegible] ENE [illegible] vto [illegible] SE [illegible] fresco y unas [illegible] [illegible] [illegible] [illegible] a las 12 [illegible] [illegible] [illegible] [illegible] [illegible]

Dia 27 al 28 de Diciembre Miercoles tiempo civil, y 28 Astronomico de ☽ el .

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S	E.	O.
1			O	[illegible]		N 86 O	33	2,8			1,6
2											
3				[illegible]							
4											
5			O N O	S S O		N 75 15 O	6	[illegible]			1,6
6		6	O N O S O	S O ¼ S		N 69 O	[illegible]	[illegible]			[illegible]
7			O N O			N 76 O	[illegible]	[illegible]			[illegible]
8		6									
9			Calma								
10											
11											
12											
13											
14											
15											
16											
17											
18			O S O	S E		S 78 O	3,2		1,7		3,2
19	2										
20	2										
21	1										
22		6									
23	1	2									
24		6									

Primeras sumas. . . .					
Segundas sumas. . . .					
Diferencias					

Año de 179[illegible]

Lat. sal.	18 16
Dif. est.	[illegible]
Lat. est.	18 [illegible]
Lat. obs.	18 [illegible]
Dif. obs.	02
Dif. dif.	[illegible]
Suma.	[illegible]
Par. med.	18 [illegible]
Long. sal.	56 35 6
Difer. pl.	[illegible]
Correg.	
Esferic.	[illegible]
Long. lleg.	57 [illegible]
Rumb. dir.	N 79 12 O
Rumb. corr.	N 6[illegible]
Dist. dir.	[illegible]
Dist. corr.	25 [illegible]
Corrientes.	

Variaciones de la Aguja.

N [illegible] 20 [illegible]

ACAECIMIENTOS.

[illegible]

Dia 28 al 29 de [illegible] , [illegible] tiempo cibil , y [illegible] Astronomico de [illegible] el [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	0	6	O.S.O	S.E	[illegible]	36°40	[illegible]				
2	1	5									
3	[illegible]	2									
4	[illegible]	1									
5	[illegible]	4									
6	1	[illegible]									
7	1	6									
8	[illegible]	[illegible]		E							
9	1	7		NE							
10	1	3									
11	1	[illegible]		[illegible]							
12	1	[illegible]									
13	1	1		[illegible]							
14	1	[illegible]									
15	1	[illegible]									
16	1	6									
17	1	6									
18	2	[illegible]									
19	2	[illegible]									
20	1	6									
21	1	[illegible]									
22	1	3		SE							
23	1	2									
24	1	[illegible]									
					Primeras sumas						
					Segundas sumas. . . .						
ACAECIMIENTOS.					Diferencias.						

Año de 1791	
Lat. sal.	N 14 23
Dif. est.	S [illegible] 13
Lat. est.	N 18 12
Lat. obs.	N 18 13
Dif. obs.	S [illegible] 8
Dif. dif.	N [illegible] 5
Suma.	36 38
Par. med.	18 19
Long. sal.	57 [illegible] 0
Difer. pl.	31 [illegible]
Correg.	
Esferic.	33 [illegible]
Long. lleg.	57 [illegible]
Rumb. dir.	S 67 [illegible] O
Rumb. corr.	S 7[illegible] O
Dist. dir.	34 [illegible]
Dist. corr.	34 6
Corrientes.	
Variaciones de la Aguja	

[illegible] con [illegible] [illegible] 3[illegible] S [illegible] [illegible] NO [illegible] Alas [illegible] [illegible] [illegible] Amanec.º [illegible] [illegible] Amanec.º del mismo [illegible] [illegible] [illegible] [illegible] 18 [illegible] [illegible]

Dia 29 *al* 30 *de* [illegible] *tiempo cibil, y* [illegible] *Astronomico de* D *el* [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.
1	1	[illegible]	O ¼ SO	SE	„	S 72 O	6,0	„	1,0	„	5,9
2	1	1									
3	[illegible]	5									
4	[illegible]	6									
5	4	6									
6	0	[illegible]									
7	0	5									
8	0	0									
9	4	2									
10	0	2									
11	[illegible]	[illegible]									
12	[illegible]	[illegible]	OOSO	ENE	„	S 72 O	29,7	„	8,2	„	26,6
13	1	3									
14	1	[illegible]									
15	1	[illegible]									
16	1	0									
17	2	[illegible]									
18	2	[illegible]									
19	1	6									
20	1	5									
21	[illegible]	4									
22	[illegible]	4									
23	[illegible]	3									
24	[illegible]	0									

	N	S.	E.	O.
Primeras sumas. . . .		9,2		32,5
Segundas sumas. . . .				
Diferencias				

Año de 1791

Lat. sal.	N 18 55
Dif. est.	S 2,7
Lat. est.	N 18 06,8
Lat. obs.	N 18 [illegible]
Dif. obs.	S 7
Dif. dif.	S 3,6
Suma.	36 22,5
Par. med.	18 15,3
Long. sal.	59 33 Oc
Difer. pl.	30,50
Correg.	
Esferic.	31,0
Long. lleg.	58 17 Oc
Rumb. dir.	S 74 .. 0
Rumb. corr.	S 74 .. 60
Dist. dir.	33,[illegible]
Dist. corr.	33,6 m
Corrientes.	

Variaciones de la Aguja.

NE [illegible]

ACAECIMIENTOS.

[illegible] con todo [illegible] vien.a [illegible] E gov.te al O ¼ SO [illegible] tiempo [illegible] la mar [illegible] y [illegible] al [illegible] con [illegible] en calma [illegible] [illegible] NE [illegible] [illegible] a [illegible] Amanecio cargado [illegible] NO al NO [illegible] al ENE [illegible] al [illegible]

Dia [illegible] al [illegible] de Diciembre [illegible] tiempo civil, y [illegible] Astronomico de D el E

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	3	[illegible]	S	ONO	[illegible]	N 88 O	10,1	2,1			10,1
2	[illegible]	6									
3	[illegible]	[illegible]									
4	[illegible]	1		NE							
5	3										
6	[illegible]	[illegible]									
7	[illegible]	6									
8	[illegible]	[illegible]		NNE							
9	[illegible]	6		ONO							
10	[illegible]	[illegible]		E							
11	5	[illegible]									
12	[illegible]	3									
13	[illegible]	[illegible]									
14	6	[illegible]									
15	6	[illegible]									
16	6	[illegible]									
17	[illegible]	[illegible]		ONO							
18	[illegible]	1									
19	[illegible]	4									
20	7	[illegible]	O¼S			S 86 O	39,0		2,6		39,
21	8	1									
22	[illegible]	[illegible]									
23	[illegible]	6									
24	[illegible]	1									

	N.	S.	E.	O.
Primeras sumas . . .	[illegible]	2,6		49,1
Segundas sumas . . .	2,6			
Diferencias.	0,5			

Año de 1791

Lat. sal. N 18 [illegible]
Dif. est. S 00,5
Lat. est. N 18, 6,[illegible]
Lat. obs. N 18, 6,4
Dif. obs. S [illegible]
Dif. dif. S 0,5
Suma. 36 [illegible]
Par. med. 18 06,9

Long. sal. 78 [illegible]
Difer. pl. [illegible]
Correg. [illegible]
Esferic. 2 [illegible]
Long. lleg. 80 [illegible]

Rumb. dir. S 8[illegible]
Rumb. corr. S 8[illegible]

Dist. dir. [illegible]
Dist. corr. [illegible]

Corrientes.

Variaciones de la Aguja
NE 1° [illegible]

ACAECIMIENTOS.

[illegible] ... Dimantes.

Dia 1 al ♃ de Enero Domingo tiempo civil, y ♃ Astronomico de ☽ el [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dst.	N	S.	E.	O.
1	7	1	O	ONO	[illegible]	N38O	20,0	4,0			19,0
2	7	2									
3	7	4									
4	7	6									
5	[illegible]		[illegible]	[illegible]		N85O	22	02,8			22,7
6	[illegible]	6									
7	7	3									
8	7	1									
9	6	0	NO	NE	[illegible]	N50O	21	15,0			18,8
10	[illegible]	0									
11	[illegible]	6									
12	[illegible]	6									
13	3	2									
14	2	3		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
15	2	6	[illegible]								2,9
16	[illegible]	0	[illegible]	[illegible]		[illegible]		[illegible]			2,8
17	5	5	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
18	2	6									
19	6	[illegible]	[illegible]	ONE	[illegible]	[illegible]	[illegible]		[illegible]		3,8
20	6	0									
21	2	6	[illegible]			[illegible]	[illegible]		6,0		17,8
22	5	1									
23	[illegible]	1									
24											
						Primeras sumas.		25	17,3		[illegible]
						Segundas sumas.		17,3			
						Diferencias		[illegible]			[illegible]

Año de 17

Lat. sal.	N 18° 00'
Dif. est.	N [illegible]
Lat. est.	N 18. 18. 6
Lat. obs.	N 18. 18. 0
Dif. obs.	N [illegible]
Dif. dif.	S [illegible] 0 6
Suma.	36 [illegible]
Par. med.	18 [illegible]
Long. sal.	[illegible] 50 0
Difer. pl.	[illegible]
Correg.	
Esferic.	2 [illegible]
Long. lleg.	6[illegible]
Rumb. dir.	N 8[illegible] 0
Rumb. corr.	N [illegible] 0
Dist. dir.	11 [illegible]
Dist. corr.	11 [illegible]
Corrientes.	

Variaciones de la Aguja.

N 9 30 O

ACAECIMIENTOS.

[illegible]

Dia 1 *al* 2 *de* [illegible] Enero [illegible] *tiempo cibil*, *y* 2 *Astronomico de* [illegible] *el* [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	6	5	[illegible]	ONO	[illegible]	S 60 O	[illegible]		[illegible]		[illegible]
2	[illegible]	3									
3	[illegible]	1									
4	[illegible]	7									
5	[illegible]	1									
6	[illegible]	[illegible]									
7	1	4	SO		[illegible]	S 30 O	01.1		00.2	01.1	
8	2	[illegible]	N 8°O		12°	N 1 O	02.7	02.6			00.8
9	[illegible]	5	N 30	NE.O	1°	N 10 O	02.0	01.7			0.5
10	[illegible]	0									
11	7	6		ONO							
12	[illegible]	5			20	N 21°O	02.7	02.3			01.0
13	[illegible]	[illegible]	N 5 O			N 3.O	02.2	01.2			01.2
14	1	5	SSO	O		S 27 O	1.7		01.5		01.2
15	2	[illegible]	SOSO	[illegible]	22	S [illegible] O	02.7		02.2	0.4	
16	[illegible]	1									
17	[illegible]	[illegible]	SO 30 O		26	N [illegible]	[illegible]		1.3	01.2	
18	[illegible]	1			12°	S [illegible]	[illegible]		02.0	1.3	
19	[illegible]		O.O								
20	[illegible]			ONO	[illegible]	S 2.0	1.2		02.0	[illegible]	[illegible]
21	7	9	[illegible]			S 60 O	[illegible]		[illegible]		7.0
22	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]				[illegible]
23	[illegible]	3	[illegible]			[illegible]	[illegible]		[illegible]		[illegible]
24	[illegible]		[illegible]	NE.E	[illegible]	[illegible]		[illegible]			5.0

ACAECIMIENTOS.		N.	S.	E.	O.
	Primeras sumas. . . .	11.6	27.2	6.4	8.1
	Segundas sumas. . . .		1.6		00.8
	Diferencias.		5.8		7.3

Año de 1792	
Lat. sal.	N 18° 58.0
Dif. est.	S 5.9
Lat. est.	18 52.[illegible]
Lat. obs.	N 19 17.0
Dif. obs.	S 01.0
Dif. dif.	N 1.8
Suma.	36 35.0
Par. med.	18 17.[illegible]
Long. sal.	62° 50.0
Difer. pl.	[illegible]
Correg.	
Esferic.	1° [illegible]
Long. lleg.	6[illegible]
Rumb. dir.	S 88 O
Rumb. corr.	[illegible]
Dist. dir.	76.[illegible]
Dist. corr.	76.3
Corrientes.	
Variaciones de la Aguja	NE 2

[illegible] Cielo [illegible] con [illegible] Español [illegible] su Capitan [illegible] havana con [illegible] medio dia 18° [illegible] Long. [illegible] 61° 48 [illegible] en la [illegible] 61° [illegible] Long. [illegible] riese; [illegible] la noche la pasaremos [illegible]

chubasco tomó un Viro alas 3 Guavias y con ellas ceñimos al
N¼NO haviendo anochecido Zelajado, Vto ENE fresco con
marejada, y se le encendio el Farol de Popa, alas 11 con chuvasco
y Rafagas del ENE al E se Vitó la Gavia pr. el Batidero pr. lo
q. se metio dentro mandando en su lugar el Trinquete, alas
17 cambiamos la Amura à Babor, y alas 14½ faltó el escotin
de Barlovento el Velacho pr. lo q. se metio dentro, y marcamos
la Guavia con cuyo aparejo, Amanecio estando el Orizte. Celado.
Vto. fresco la mar del Vto y del NNE el Paquebot à Barlovto. unido, alas
21 se vio al ONO una valandra q. hacia Rumbo del SO pr. lo q. procuro.
havlarla para preg. su Sr. ô. Longde. se consiguió pr. su mucho
andar, pr. lo q. viendonos desviarnos de nuestro Rbo. metimos en ca-
mino en Vta. del O alas 21¾ se larg. las Gavias, Parr. y el puño de la mayor
 alas 22 se descubrio Tierra al SO y se arrivó al SO¼O para recon.
larg. la vandera a popa para intelig. del Paquebot q. correspondio con
la suya. Alas 22¾ se arrivó al NO SO
 Al medio dia se demarco la mediania de Sn. Bargal SE 27º O y la de
Sn. Martin al SSE O Correjido pr. cuy. de la Latd. Obsa. de 18º17 quedo
en la Longd. de 62º56 Oc. a P. y seg. mi estima quedo en la Longd. de 6[illegible]
Oc. a Tfe. Mer. q. el error consiste en 31.1 m. correspte. al angd. de 89º 16
en el 3 qte. y pr. el punto de ayer al medio dia del Paquebot quedo en la
Longd. de 65º08 Oc. P. Pr. cuyo punto tengo de error 12.5 m. corresponte.
al angd. de 89º 3 qte.

Dia 3 *al* 4 *de* Enero de 1792 *tiempo cibil*, y *Astronomico de* 3 *el* 3

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	7	5	[illegible]	E	[illegible]	[illegible]	[illegible]	11,8			[illegible]
2	7	5									
3	7	2				N 60° O	32,0	16,0			[illegible]
4	[illegible]	[illegible]									
5	7	1									
6	7	2	[illegible]	NE		[illegible]	[illegible]	[illegible]			[illegible]
7	7	5	[illegible]	[illegible]	2°	[illegible]	22,7	17,0			[illegible]
8	7	[illegible]									
9	7	[illegible]									
10	[illegible]	[illegible]	O		[illegible]	N 36 O	[illegible]	[illegible]			[illegible]
11	6	2									
12	6	5									
13	7	[illegible]	O 3°	E		N 8 O	36 1	[illegible]			[illegible]
14	7	[illegible]									
15	7	[illegible]									
16	[illegible]	6									
17	6	1	[illegible]								
18	6	1	[illegible]	E		[illegible]	[illegible]		[illegible]		[illegible]
19	6	[illegible]	[illegible]			[illegible]	[illegible]		2,5		6,0
20	6	[illegible]	SO 7 S	E		[illegible]	[illegible]		[illegible]		[illegible]
21	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]		[illegible]		[illegible]
22	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]		[illegible]		[illegible]
23	[illegible]	[illegible]									
24	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]		[illegible]		[illegible]

	N.	S.	E.	O.
Primeras sumas . . .	[illegible]	[illegible]		[illegible]
Segundas sumas . . .	[illegible]			
Diferencias	[illegible]			[illegible]

Año de 179[illegible]

Lat. sal. N 18° 17'
Dif. est. N 27,7
Lat. est. N 19 45,1
Lat. obs. N 19 44,0
Dif. obs. N 26,0
Dif. dif. S 1,1
Suma. 37°
Par. med. 18 30,7

Long. sal. 64° 56.0
Difer. pl. [illegible]
Correg.
Esferic. 2. 18.1
Long. lleg. 67 [illegible]

Rumb. dir. N 78,5 O
Rumb. corr. N 78,[illegible]

Dist. dir. [illegible]
Dist. corr. [illegible]

Corrientes.

Variaciones de la Aguja
[illegible]

ACAECIMIENTOS.

[illegible] ... se arrivo al [illegible] ... [illegible] Long. 67. 10. [illegible] ... [illegible]

Dia al de tiempo cibil, y Astronomico de ☽ el

H.	M	B.	Rumbos.	Vient	Ab.	Rbo. Cor.	Dist.	N	S	E.	O.
1	6	[illegible]	SOSS	E¼NE	[illegible]	S 4½ O	06 6				
2	5	6	SO [illegible]	ENE		S 58 O	05 8				
3	6	"	SO¼O	"		S 60¼ O	11 5				
4	5	½									
5	6	0	OSO-O	ENE		S 75 O	00 0				
6	½	6	OSO	NE		S 89 O	02 8				
7	2	2	NNE		22°	N 10¼ E	03 8				
8	1	½									
9	2	1	NNE	OSE	12	N 7¼ E	0 8				
10	2	5			"						
11	1	½	S 8 O	O		S 8 O	05 5				
12	2	0									
13	3	1	SSO			S 6¼ O	[illegible] 8				
14	1	5									
15	1	2	N¼NO	NEE		N 10½	0 1				
16	1	½									
17	1	½	SO¼S			S 43 [illegible]	[illegible] 5				
18	2	5	SO [illegible]			S 4 O	[illegible]				
19	2	½	E	E¼NE	20	N 66 O	0 5				
20											
21		No se navegó [illegible]									
22		[illegible]									
23											
24											

Primeras sumas. . . .				
Segundas sumas. . . .				
Diferencias				

Año de 17

Lat. sal. N 18° [illegible]
Dif. est.
Lat. est.
Lat. obs.
Dif. obs.
Dif. dif.
Suma.
Par. med.

Long. sal. 6 [illegible] 10
Difer. pl.
Correg.
Esferic.
Long. lleg.

Rumb. dir.
Rumb. corr.

Dist. dir.
Dist. corr.

Corrientes.

Variaciones de la Aguja.
[illegible]

ACAECIMIENTOS.

[illegible] SOSS [illegible] E¼NE [illegible]
[illegible] NNE [illegible] N. S [illegible] NO [illegible] S 3E
[illegible]
[illegible] NNE [illegible] O [illegible]
[illegible] S
[illegible] SO [illegible] 50 [illegible]
[illegible] SSE [illegible]
[illegible] 18½ [illegible] S
[illegible] S 62° O y la Tierra [illegible] S 3E [illegible]

Ma Costa como 2 millas alas 19½ se larg.on los Juan.s y se avisto el Castillo de Sn Chris.l de Pto Rico, Alas 20 estando como 1 Legua del Pto Larg.s nuestras Insignias Españolas y se carg.e el Trinq.e, poco despues se arriaron las Gavat.s para dar tiempo a q.e entrase la brisa p.r ser el Vto escaso para entrar en Pto. Alas 21 se tiro Cañonazo llamando el Practico, estando d.to del Morro como 1 Leg. Alas 22 llegó el Practico y dixo eran precisos virar de la Vta de Afuera p.a esperar la brisa q.e havia Calma en el P.to y Cerrimos 6. Cambios con proa del N¼NO y 40 ONE alas 23 empezo [illegible] arrivamos al Pto con el Trinquete las [illegible] p.r lo q.e entramos alas 23¼ y seguimos para dentro dando alas 23¾ fondo al ancla de Cabon en 7½ braz. Lama [illegible] y arena [illegible] alexando toda Vela y se procedio á echar al agua las Embarc.s p.a tend.to con la Lanch.a la Espia y Ancla de Cru.s al SO [illegible] los muchos Entornos q.e [illegible] quedando con las Enfilaciones siguientes el Cast.o del Cañ.o al N 77 O la torre de la Iglesia Mayor al N 53 E la Garita del ang.o mas Saliente del Morro al N 33 O, Anoc.e

ata Ebe.o los Oxizontes de Cargazon y en el discurso de los no. Vto el Vto al ESE con Chuvasquillos

Ysla de Puerto Rico

Dia 1° de Enero de 179[illegible]

Con lo Amanecio el Vto. [illegible] Al SO con Turbonadas y se [illegible]
[illegible] á la Frag.ta de S. [illegible] q.e nos dio cara levantamos y
[illegible] luego q.e [illegible] con el [illegible], y [illegible]
[illegible] Correo q.e [illegible] generalm.te [illegible]
[illegible] y metio [illegible] SO. [illegible]
[illegible] navegando; y alas [illegible] varias enfiladas.
[illegible] á la [illegible], y aviendo [illegible]
fue calmando el Vto. y alas [illegible] estamos apique [illegible]
[illegible] quedandonos asi hasta las 11 [illegible]
[illegible] el SO, y [illegible] con el [illegible]
ayudados [illegible]
[illegible] quedando alas [illegible]

Dia [illegible] al [illegible] de [illegible] tiempo cibil, y [illegible] Astronomico de [illegible] el [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22		6									
23											
24											

	N.	S.	E.	O.
Primeras sumas . . .	[illegible]	[illegible]	[illegible]	[illegible]
Segundas sumas . . .	[illegible]			[illegible]
Diferencias.	[illegible]			

Año de 17

- Lat. sal. N 18° [illegible]
- Dif. est. [illegible]
- Lat. est. N 19 [illegible]
- Lat. obs. N [illegible]
- Dif. obs. N [illegible]
- Dif. dif. S [illegible]
- Suma. [illegible]
- Par. med. [illegible]
- Long. sal. [illegible]
- Difer. pl. [illegible]
- Correg.
- Esferic. [illegible]
- Long. lleg. [illegible]
- Rumb. dir. [illegible]
- Rumb. corr. [illegible]
- Dist. dir. [illegible]
- Dist. corr. [illegible]
- Corrientes.

Variaciones de la Aguja

N E [illegible]

ACAECIMIENTOS.

[illegible] 18° 38' [illegible]

[illegible]

Dia [illegible] *al* [illegible] *de* [illegible] *tiempo cibil* , *y* [illegible] *Astronomico de* ☽ *el* [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Ro. Cor.	Dist.	N	S.	E.	O.
1	1	[illegible]	[illegible]	E	[illegible]	62 [illegible]	61 [illegible]	[illegible]			[illegible]
2	1										
3	1	[illegible]									
4	1	5									
5				E [illegible]							
6	1										
7											
8	1	6									
9	1	1									
10	1	2									
11		[illegible]									
12	1	2									
13	[illegible]	2									
14		[illegible]									
15		6									
16	[illegible]	6									
17	1	[illegible]		E							
18		5									
19		2									
20	[illegible]	[illegible]									
21		1									
22		1									
23	[illegible]	0									
24	[illegible]	[illegible]									

ACAECIMIENTOS.	Primeras sumas. . . .					Variaciones de la Aguja.
	Segundas sumas. . . .					
	Diferencias	—	—	—	—	NE [illegible]

Año de 17[illegible]

Lat. sal.	7 19 [illegible]
Dif. est.	[illegible]
Lat. est.	[illegible]
Lat. obs.	[illegible]
Dif. obs.	[illegible]
Dif. dif.	[illegible]
Suma.	38 21 0
Par. med.	19 15 5
Long. sal.	63 [illegible]
Difer. pl.	[illegible]
Correg.	
Esferic.	[illegible]
Long. lleg.	69 39 [illegible]
Rumb. dir.	[illegible]
Rumb. corr.	[illegible]
Dist. dir.	61 [illegible]
Dist. corr.	5[illegible]
Corrientes.	

[illegible] al medio dia contado apar. por. govern. al ONO con vent. [illegible] la Mar llana [illegible] se halle [illegible] NE [illegible] los horiz. cela. la luna [illegible] sin verse la tierra [illegible] Mar llana [illegible]
[illegible]

Dia 14 al 15 de [illegible] tiempo cibil, y 15 Astronomico de ☽ el

H.	M	B.	Rumbos.	Vient.	Ab.	Rho. Cor.	Dist.	N.	S.	E.	O.
1	[illegible]	6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
2	[illegible]	[illegible]									
3	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	1,8			8
4	[illegible]	[illegible]									
5											
6	[illegible]	1									
7	1	[illegible]									
8	[illegible]	6									
9	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]			[illegible]
10	[illegible]	1									
11	[illegible]	[illegible]									
12		[illegible]		[illegible]							
13	[illegible]	[illegible]									
14	[illegible]	[illegible]									
15	[illegible]	1									
16		[illegible]									
17		6									
18	[illegible]	1									
19											
20											
21		[illegible]									
22		[illegible]									
23											
24											

Año de 17[illegible]

Lat. sal. 19 [illegible]
Dif. est. [illegible]
Lat. est. [illegible]
Lat. obs. 19
Dif. obs. [illegible]
Dif. dif. [illegible]
Suma. 39 06
Par. med. 19 [illegible]

Long. sal. 69 [illegible]
Difer. pl. 6 [illegible]
Correg.
Esferic. 1 [illegible]
Long. lleg. 70 [illegible]

Rumb. dir. [illegible]
Rumb. corr. [illegible]

Dist. dir. 64
Dist. corr. 55 0

Corrientes.

ACAECIMIENTOS.		N.	S.	E.	O.
	Primeras sumas				
	Segundas sumas				
	Diferencias.				

Variaciones de la Aguja [illegible]

[illegible] ... la Long. de [illegible]

Dia [illegible] *al* [illegible] *de* [illegible] *tiempo* [illegible] *Astronomico de* ☽ *el* [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.
1	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
2	[illegible]	[illegible]									
3	[illegible]	[illegible]									
4	[illegible]	[illegible]									
5	[illegible]	[illegible]									
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]									
8	[illegible]	[illegible]									
9	[illegible]	[illegible]		[illegible]							
10	[illegible]	[illegible]									
11	[illegible]										
12	[illegible]	[illegible]									
13	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]			[illegible]
14											
15											
16											
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
18	[illegible]			[illegible]							
19			[illegible]			[illegible]	[illegible]	[illegible]			[illegible]
20											
21	[illegible]	[illegible]									
22	[illegible]	[illegible]									
23	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24				[illegible]							

	N	S	E	O
Primeras sumas. . . .	[illegible]	[illegible]	[illegible]	[illegible]
Segundas sumas. . . .	[illegible]			
Diferencias				[illegible]

Año de 17[illegible]

Lat. sal. [illegible]
Dif. est. [illegible]
Lat. est. [illegible]
Lat. obs. [illegible]
Dif. obs. [illegible]
Dif. dif. [illegible]
Suma. [illegible]
Par. med. [illegible]

Long. sal. [illegible]
Difer. pl. [illegible]
Correg.
Esferic. [illegible]
Long. lleg. [illegible]

Rumb. dir. [illegible]
Rumb. corr. [illegible]

Dist. dir. [illegible]
Dist. corr. [illegible]

Corrientes.

Variaciones de la Aguja.
[illegible]

ACAECIMIENTOS.

[illegible]

Dia 16 al 17 de [illegible] de 179[illegible] tiempo cibil, y 17 Astronomico de D el 2[illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor	Dist.	N.	S.	E.	O.	Año de 1792
1	[illegible]	6	O¼SO	[illegible]		[illegible]	28,0	[illegible]	[illegible]		27,8	
2	[illegible]	5										Lat. sal. 20. 1½
3												Dif. est. 2,2
4		1										Lat. est. 20, 2[illegible]
												Lat. obs. 20 2[illegible]
5		3										Dif. obs. [illegible]
6	5	3										Dif. dif. 06,0
7	5		O			N 8° O	[illegible]	2,2			22,[illegible]	Suma. 36
8	4	6		ENE								Par. med. 18
9		2										
10	7			NE								Long. sal. 73° 38′
11	0	1										Difer. pl. 121,5
12	0											Correg.
13	6	1	O[illegible]	[illegible]	5°	N 9° [illegible]	12,7	2,8			125	Esferic. 2 30
14	6											Long. lleg. 75 48
15		1				N [illegible]	2[illegible]	16,0			2[illegible]	
16												
17		0										Rumb. dir. [illegible]
18												Rumb. corr. [illegible]
19			O			N 30 O	[illegible]	[illegible]			[illegible]	
20												
21	3											Dist. dir. [illegible]
22	8											Dist. corr. [illegible]
23												
24		4										Corrientes.

		N.	S.	E.	O.	
ACAECIMIENTOS.	Primeras sumas	[illegible]	[illegible]		[illegible]	Variaciones de la Aguja
	Segundas sumas	[illegible]				
	Diferencias	[illegible]			[illegible]	[illegible]

[illegible]

Long. de [illegible] 75° [illegible]

Dia 17 al 18 de [illegible] Astronomico de D el [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Corr.	Dist.	N.	S.	E.	O.
1	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]	[illegible]			[illegible]
2	[illegible]										
3	[illegible]			[illegible]							
4	[illegible]	0									
5	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]			
6	[illegible]	[illegible]									
7	[illegible]	[illegible]	[illegible]								
8	6	6				[illegible]	[illegible]	[illegible]			[illegible]
9	6	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]			[illegible]
10	6	[illegible]									
11	[illegible]										
12	[illegible]										
13	[illegible]										
14	[illegible]	5									
15	[illegible]	1		[illegible]							
16											
17	[illegible]		[illegible]			[illegible]	[illegible]	[illegible]			[illegible]
18	6		[illegible]	[illegible]		[illegible]	[illegible]	[illegible]			[illegible]
19	[illegible]										
20	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]			
21		[illegible]	[illegible]			[illegible]	[illegible]	[illegible]			[illegible]
22		[illegible]	[illegible]								
23		0				[illegible]	[illegible]	[illegible]			[illegible]
24											

Año de 17[illegible]

Lat. sal. [illegible]
Dif. est. [illegible]
Lat. est. [illegible]
Lat. obs. [illegible]
Dif. obs. [illegible]
Dif. dif. [illegible]
Suma. [illegible]
Par. med. [illegible]

Long. sal. [illegible]
Difer. pl. [illegible]
Correg.
Esferic. [illegible]
Long. lleg. [illegible]

Rumb. dir. [illegible]
Rumb. corr. [illegible]

Dist. dir. [illegible]
Dist. corr. [illegible]

Corrientes.

		N.	S.	E.	O.
ACAECIMIENTOS.	Primeras sumas. . . .	[illegible]			[illegible]
	Segundas sumas. . . .				
	Diferencias				

Variaciones de la Aguja. [illegible]

[illegible]

Dia [illegible] *al* [illegible] *de* [illegible] *tiempo cibil , y* [illegible] *Astronomico de* ☽ *el* [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1				ONE							
2											
3											
4											
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6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											

Año de 17	
Lat. sal.	
Dif. est.	
Lat. est.	
Lat. obs.	
Dif. obs.	
Dif. dif.	
Suma.	
Par. med.	
Long. sal.	
Difer. pl.	
Correg.	
Esferic.	
Long. lleg.	73 06
Rumb. dir.	
Rumb. corr.	
Dist. dir.	
Dist. corr.	
Corrientes.	

	N.	S.	E.	O.
Primeras sumas. . . .				
Segundas sumas. . . .				
Diferencias.				

Variaciones de la Aguja

ACAECIMIENTOS.

[illegible]

Dia [illegible] al [illegible] de [illegible] tiempo civil, y Astronomico de D el [illegible]

H.	M	B.	Rumbos.	Vientos.	Ab.	Rbo. Corr.	Dist.	N	S	E.	O.
1	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	2									
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	4									
8	[illegible]	[illegible]									
9	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]									
11	[illegible]	2									
12	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]									
15	[illegible]	4									
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	2	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	3	1									
20				[illegible]							
21	3	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	2	1									
23	2	5									
24	2	3									
						Primeras sumas. . . .		[illegible]	[illegible]	[illegible]	[illegible]
						Segundas sumas. . . .		[illegible]			[illegible]
						Diferencias		[illegible]			[illegible]

Año de 17

Lat. sal.	[illegible]
Dif. est.	[illegible]
Lat. est.	[illegible]
Lat. obs.	[illegible]
Dif. obs.	[illegible]
Dif. dif.	[illegible]
Suma.	[illegible]
Par. med.	[illegible]
Long. sal.	79° 06, 0 0c
Difer. pl.	06, 3 0
Correg.	
Esferic.	[illegible]
Long. lleg.	[illegible]
Rumb. dir.	[illegible]
Rumb. corr.	[illegible]
Dist. dir.	[illegible]
Dist. corr.	[illegible]
Corrientes.	
Variaciones de la Aguja.	[illegible]

ACAECIMIENTOS.

[illegible]

Dia 20 al 21 de Enero [illegible] tiempo cibil, y 21 Astronomico de [illegible] el [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	2	3	OSN	[illegible]	11°	S 80 O	04,8	"	00,9	"	04,8
2	2	3									
3	2	4	O¼NO	"	"	N 84 [illegible] O	03,6	[illegible]		"	03,6
4	4	3	SO¼O	N	"	[illegible] 50 O	04,[illegible]		03,2	[illegible]	03,8
5	3	0									
6	3	4	SOSO	"	"	S 59 O	03,4	"	01,6	"	02,7
7	2	5	ONO		8°	N [illegible] O	05,4	01,8		"	05,1
8											
9	4	4	NO	NE¼N	5°	N 45 O	14,0	14,0	"	"	14,0
10	3	5									
11	4	1									
12	4	6									
13	4	0	ONO¼O	"	"	N 57 [illegible] O	22,0	12,0	"	"	18,5
14	[illegible]	[illegible]									
15	[illegible]	[illegible]									
16	[illegible]	[illegible]									
17	[illegible]	[illegible]									
18	[illegible]	3	NO¼O	E¼NE	"	N 57 [illegible] O	07,4	04,7	"	"	05,8
19	[illegible]	"	NO	"	"	N 46 O	20,8	10,0	"	"	17,5
20	[illegible]	12									
21	[illegible]	5									
22	[illegible]	6									
23	5	2	ONO	E [illegible]	"	N 67 [illegible] O	10,3	04,0	"	"	09,0
24					"						

	N.	S.	E.	O.
Primeras sumas . . .	52,7	5,9	"	80,3
Segundas sumas . . .	05,9			
Diferencias	29,8			80,8

Año de 17[illegible]

Lat. sal. N 21° 50'
Dif. est. N 00 42,8
Lat. est. N 22 32,8
Lat. obs. N 22° 37,0
Dif. obs. N 00 47,0
Dif. dif. S 2,8
Suma. 44 27
Par. med. 22 13,5

Long. sal. 79° 12' 80
Difer. pl. 00 80,8
Correg.
Esferic. 1 26,0
Long. lleg. 80 38,8

Rumb. dir. N 58° [illegible] O
Rumb. corr. N 61° [illegible] O

Dist. dir. 95 [illegible]
Dist. corr. 95 [illegible]

Corrientes.

Variaciones de la Aguja
NE 9° 00'

ACAECIMIENTOS.

[illegible] con [illegible] el [illegible] [illegible]
[illegible] [illegible] Rumbo [illegible]
[illegible] Corto [illegible]
[illegible] alas 11 [illegible] alas 18 [illegible]
[illegible] alas 18 [illegible]
[illegible] al S 9° O [illegible] al S [illegible]
[illegible] N 8 O° y [illegible]
[illegible] en Long. N 81° 05. [illegible]

Dia 23 al 24 de Enero 1792 tiempo civil, y 24 Astronomico de D el 8

H.	M.	B.	Rumbos.	Vient.	Ab.	Rbo. Corr.	Dist.	N	S.	E.	O.
1	6	4	ONO	O	00	N62 150	20,5	03,0			05,8
2	2	0	O			N84 450	03,4	0,0			3,8
3	5	0	O-SO	O¼SO		N81 45 O	21,[illegible]	3,1			21,0
4	5	0									
5	5	3									
6	5	6									
7	6	1	O¼NO			N57 180	30,2	19,6			31,0
8	6	4									
9	6	3									
10	6	2									
11	5	3									
12	5	3									
13	6	5	O¼NO	SO		N37 180	[illegible]	8,2			27,[illegible]
14	7	5									
15	7	4									
16	6	5									
17	6	7	O [illegible]			N73 180	25,0	9,[illegible]			18,[illegible]
18	[illegible]	2		SSO							
19	7	3									
20	7	5									
21	6	5									
22	6	0									
23	3	5		SE							
24	4	5									

Año de 17	
Lat. sal.	N 22° 35,0
Dif. est.	N 10,0
Lat. est.	N 23 23,0
Lat. obs.	23 25 0
Dif. obs.	N 48 0
Dif. dif.	N 1,1
Suma.	46 [illegible]
Par. med.	23 01
Long. sal.	81 05 0
Difer. pl.	136,0
Correg.	
Esferic.	2 22,6
Long. lleg.	83 3[illegible] 6
Rumb. dir.	N 70 [illegible]
Rumb. corr.	N 70 [illegible]
Dist. dir.	14[illegible]
Dist. corr.	[illegible]
Corrientes.	

	N	S.	E.	O.
Primeras sumas. . .	60,0			136,0
Segundas sumas. . .				
Diferencias				

Variaciones de la Aguja.

NE 4° 15

ACAECIMIENTOS.

[illegible] … y mar [illegible]

[illegible] … al SO [illegible] … la mañana [illegible]

[illegible] … Anoche [illegible] … al SE y mar

[illegible] … SSE y [illegible]

[illegible] … medio dia [illegible] … al S 12°

las Lomas de tierra [illegible] … al [illegible] … cuya [illegible]

[illegible] … en la long. de 83° 17 [illegible]

Dia 22 *al* 23 *de* Enero Domingo *tiempo cibil* , *y* 23 *Astronomico de* D *el* 23

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	1	5	o	se	00	n 64,450	01,7	00,1	n	n	1,7
2	1	2	onoso			n 67 4.0	1,3	00,5	n	n	1,2
3	1	5	o¼n	one		n 61 450	4,0	0,2	n	n	4,0
4	2	2		e?							
5	2	5	o 40			n 80 450	2,7	0,2	n	n	2,6
6	2	6	ono70	ne		n 63,450	6,0	2,7	n	n	5,4
7	1	5									
8	1	2									
9	1	2	no¼0	o		n 51 0	1,3	0,8	n	n	1,1
10	1	5	no[illegible]	se		n 39°450	7,0	5,4			4,5
11	2	2									
12	1	6									
13			n¼0	e		n 41 0	2,8	1,1	n	n	1,4
14			ono			n 62 450	9,3	4,3	n	n	8,3
15		5									
16		2									
17	3	3	o		5	n 72 450	5,3	1,0	n	n	5,2
18	1	6									
19	4	1	oso40	nno		s 72 40	4,1	n	2,4		3,7
20	3	0									
21	3	0									
22			calma		20						
23			oso5		40						
24		2	oso40		4	n 72 40	3,3				3,2

	N.	S.	E.	O.
Primeras sumas . . .	16,4	3,4		43
Segundas sumas . . .	3,4			
Diferencias	13,0			

Año de 1792

Lat. sal. N 23° 25'
Dif. est. N 00 13'
Lat. est. N 23 38
Lat. obs. N 23 40
Dif. obs. 15
Dif. dif. 2
Suma. 2
Par. med. 23 05 / 32.5

Long. sal. 85.17 0c
Difer. pl. 40,3
Correg.
Esferic. 50'
Long. lleg. 84,27 0c

Rumb. dir. N 71 300
Rumb. corr. N 73 0

Dist. dir. 48
Dist. corr. 48

Corrientes.

Variaciones de la Aguja
NE 5° 15'

ACAECIMIENTOS.

[illegible] a las 6 [illegible] 080 [illegible] al 310 [illegible] Verse [illegible]

Dia 23 al 24 *de* Enero Lunes *tiempo cibil*, *y* 24 *Astronomico de* D *el* [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.
1	5	1	SO	NNE	do						
2	5	1									
3	5	3									
4	5	5									
5	4	3									
6	4	3									
7	4	0	OSO	"	"						
8	4	0									
9	3	4		ENE							
10	3	0									
11	3	2									
12	3	2	O¼N								
13	3	0		E¼NE E							
14	3	1									
15	2	5		ESE							
16	2	[illegible]									
17	3	0									
18	2	1									
19	3	0									
20											
21											
22											
23											
24											

	N	S.	E.	O.
Primeras sumas. . . .				
Segundas sumas. . . .				
Diferencias				

Año de 17

Lat. sal. N 23° 46'
Dif. est.
Lat. est.
Lat. obs.
Dif. obs.
Dif. dif.
Suma.
Par. med.

Long. sal. 327° 07' [illegible]
Difer. pl.
Correg.
Esferic.
Long. lleg.

Rumb. dir.
Rumb. corr.

Dist. dir.
Dist. corr.

Corrientes.

Variaciones de la Aguja.

ACAECIMIENTOS.

[illegible]

Dia 21 al 22

Seguimos á recibir dho contexto [illegible] en demanda del Muelle [illegible] Ma Plat. con Vto del [illegible] al as 7 [illegible] [illegible] con [illegible] [illegible] [illegible] y al as [illegible] haviendo arrivado [illegible] sig. se disp. 3 Cañon [illegible] y el Navio [illegible] correspondio con 5. al as 3½ [illegible] frente del Monte, nos preguntaron el nombre del Comandante [illegible] [illegible] Urca y de donde venia y quantos dias de Navegacion, á [illegible] se correspondio [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] el Practico [illegible] echar todas las [illegible] al agua, [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 50. [illegible] [illegible] [illegible] [illegible] Enfilaciones siguientes: [illegible] [illegible] [illegible] al N 72°0 [illegible] [illegible] [illegible] 5 [illegible] la Machina al S 13° 0 [illegible] [illegible] [illegible] agua. Presentado este Diario en 8 de Junio de 1792.

190 13°

[illegible]

Juan [illegible] Pizarro

Dia al de tiempo cibil, y Astronomico de ☽ el

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.
1											
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16											
17											
18											
19											
20											
21											
22											
23											
24											

Año de 17	
Lat. sal.	
Dif. est.	
Lat. est.	
Lat. obs.	
Dif. obs.	
Dif. dif.	
Suma.	
Par. med.	
Long. sal.	
Difer. pl.	
Correg.	
Esferic.	
Long. lleg.	
Rumb. dir.	
Rumb. corr.	
Dist. dir.	
Dist. corr.	
Corrientes.	

ACAECIMIENTOS.		N	S.	E.	O.
	Primeras sumas. . . .				
	Segundas sumas. . . .				
	Diferencias				

Variaciones de la Aguja.

Dia al de tiempo civil, y Astronomico de ☽ el

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.	Año de 17
1												
2												Lat. sal.
3												Dif. est.
4												Lat. est.
5												Lat. obs.
6												Dif. obs.
7												Dif. dif.
8												Suma.
9												Par. med.
10												Long. sal.
11												Difer. pl.
12												Correg.
13												Esferic.
14												Long. lleg.
15												
16												
17												
18												Rumb. dir.
19												Rumb. corr.
20												
21												Dist. dir.
22												Dist. corr.
23												
24												Corrientes.

		N.	S.	E.	O.	
	Primeras sumas . . .					Variaciones de la Aguja
	Segundas sumas . . .					
ACAECIMIENTOS.	Diferencias.					

Dia al de tiempo cibil, y Astronomico de ☽ el

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.	Año de 17
1												
2												
3												Lat. sal.
4												Dif. est.
5												Lat. est.
6												Dif. obs.
7												Dif. dif.
8												Suma.
												Par. med.
9												
10												
11												Long. sal.
12												Difer. pl.
13												Correg.
14												Esferic.
15												Long. lleg.
16												
17												
18												Rumb. dir.
19												Rumb. corr.
20												
21												Dist. dir.
22												Dist. corr.
23												
24												Corrientes.

	Primeras sumas. . . .					Variaciones de la Aguja.
	Segundas sumas. . . .					
ACAECIMIENTOS.	Diferencias					

Diario del Buque de la [illegible] viniendo de Comandante el Segundo Teniente Alferez Ramirez D.n Antonio [illegible] del Departamento de [illegible]

Dia 1 de Marzo de 1792.

Este dia alas 9 dela Mañana retiro 1.a pieza de [illegible] y [illegible] la [illegible] alas 3 dela Tarde se cambio [illegible] del ENE, y alas 5 [illegible] se consiguio meter dentro Alas 5 [illegible] [illegible] Alas 6 ½ se dio [illegible] [illegible] se procedio [illegible] casi a pique [illegible]

Dia 2

[illegible]

Dia [illegible] *al* [illegible] *de* [illegible] *tiempo civil, y* [illegible] *Astronomico de* ☽ *el* [illegible]

H.	M.	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
					Primeras sumas.						
					Segundas sumas. . . .						
					Diferencias						

Año de 17

Lat. sal.
Dif. est.
Lat. est.
Lat. obs.
Dif. obs.
Dif. dif.
Suma.
Par. med.

Long. sal.
Difer. pl.
Correg.
Esferic.
Long. lleg.

Rumb. dir.
Rumb. corr.

Dist. dir.
Dist. corr.

Corrientes.

Variaciones de la Aguja.

[illegible]

ACAECIMIENTOS.

[illegible]

Dia [illegible] *al* [illegible] *de* [illegible] *tiempo civil , y* [illegible] *Astronomico de* ☽ *el* [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1											
2											
3											
4											
5											
6											
7	[illegible]	[illegible]	[illegible]	[illegible]	6	[illegible]	05,0	05,[illegible]	[illegible]	00,0	[illegible]
8	[illegible]	[illegible]									
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	01,0	02,0	[illegible]	[illegible]	0,3
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11,1	08,6	[illegible]	7,[illegible]	[illegible]
11	9	5									
12	[illegible]	[illegible]									
13	[illegible]	3	[illegible]	[illegible]		[illegible]	[illegible]	13,[illegible]	[illegible]	10,0	[illegible]
14	[illegible]	[illegible]									
15	[illegible]	1									
16	[illegible]	[illegible]									
17	[illegible]	6									
18	[illegible]	1									
19	[illegible]	6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
20	[illegible]	[illegible]									
21	[illegible]	1									
22		6									
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
24	[illegible]	[illegible]									
						Primeras sumas . . .		[illegible]		[illegible]	[illegible]
						Segundas sumas . . .				[illegible]	
						Diferencias		[illegible]		[illegible]	

Año de 17[illegible]

Lat. sal.	N 13° [illegible]
Dif. est.	[illegible]
Lat. est.	[illegible]
Lat. obs.	[illegible]
Dif. obs.	[illegible]
Dif. dif.	[illegible]
Suma.	[illegible]
Par. med.	[illegible]
Long. sal.	8[illegible] [illegible]
Difer. pl.	[illegible]
Correg.	
Esferic.	[illegible]
Long. lleg.	83,36,0
Rumb. dir.	[illegible]
Rumb. corr.	[illegible]
Dist. dir.	61 [illegible]
Dist. corr.	[illegible]
Corrientes.	N [illegible]

Variaciones de la Aguja

[illegible]

ACAECIMIENTOS.

[illegible]

Dia 4 *al* 5 *de* Marzo [illegible] *tiempo Civil, y* 5 *Astronomico de* ☽ *el* 13

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	0	0	[illegible]	SE	5	N61.30E	03,4	01,7		03,0	
2	1	3				N61.30E	37,0	17,7		32,2	
3	1	2	[illegible]								
4	1	3									
5	1	4									
6											
7	3	1									
8	3										
9	3	5									
10	3	2									
11	3	2									
12	3	6									
13	4	2									
14	4	5									
15		0									
16		3	E¼SE	S	2	S78.45E	02,4		00,5	02,3	
17	1	5	EOESE			S70.30E	01,7		00,5	01,6	
18	0	0	OSO		00	[illegible]	16,0	05,			14,0
19	6										
20	5	2									
21	4	4	O ¼			N623O	03,5	01,7			03,0
22	4	1	N			N 9E	16,5	14,5		01,1	
23	5	1									
24	5										

	N.	S.	E.	O.
Primeras sumas. . . .	35,3	01,1	39,1	18,0
Segundas sumas. . . .	1,1		18,0	
Diferencias	34,2		21,1	

Año de 179

Lat. sal.	17° 24' 30''
Dif. est.	34 2
Lat. est.	17 58
Lat. obs.	N 16 36
Dif. obs.	1 15
Dif. dif.	1 098
Suma.	33 14
Par. med.	37
Long. sal.	83° 06' 8
Difer. pl.	2 1,6
Correg.	
Esferic.	2 6,6
Long. lleg.	83° 09,1
Rumb. dir.	N 33° 30 E
Rumb. corr.	N 17° 4 E
Dist. dir.	34 m.
Dist. corr.	103 m.
Corrientes.	

Variaciones de la Aguja.

NE 5° 00.

ACAECIMIENTOS.

[illegible] ... cimenzo el [illegible] ESE [illegible] al ponerse el sol [illegible] ... NE [illegible] al N [illegible] mas Sal N 87 O todo [illegible] ... el buen Cariz el [illegible] Alas 16 ... con las [illegible] a [illegible] el dia [illegible] amedio [illegible] ... al SE [illegible] ... Alas 17 ... nos demoraba al SE ... Alas [illegible] todo aparejo al 6 ... Alas 24 nos [illegible] al N [illegible] Alas [illegible].

Dia 5 al 6 de [illegible] tiempo cibil, y 6 Astronomico de ☽ el 15

H.	M	B.	Rumbos	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	5	3	[illegible]	[illegible]		n 4° e	23,8	22,8		06,6	
2	6	1									
3	6	1									
4	6	0									
5	6	[illegible]	n 3° e			n 7° e	40,0	39,5		04,8	
6	[illegible]	[illegible]									
7	[illegible]	[illegible]	1								
8	6	[illegible]									
9	6	[illegible]									
10	6	2									
11	6	3	n 1 e			n 11° e	40,0	41,[illegible]		08,0	
12	[illegible]	[illegible]									
13	5	[illegible]									
14	[illegible]	[illegible]									
15	[illegible]	[illegible]									
16	[illegible]	[illegible]									
17	5	6									
18	[illegible]	5									
19	[illegible]	0	ene			n 81° 30 e	62,1	[illegible]		61,0	
20	[illegible]	[illegible]									
21	[illegible]	[illegible]	ene [illegible]	[illegible] al [illegible]		n 66° 30 e	06,7	02,6		06,4	
22	[illegible]	[illegible]									
23	[illegible]	[illegible]									
24	[illegible]	5									
						Primeras sumas . . .		107,0		[illegible]	
						Segundas sumas . . .					
						Diferencias.					

Año de 1792

Lat. sal. N 26° 28'
Dif. est. N 1° 47,8
Lat. est. 28 15,8
Lat. obs.
Dif. obs.
Dif. dif.
Suma. 54 43
Par. med. 27 21,5

Long. sal. 83 09,6
Difer. pl. 22,5
Correg.
Esferic. 25,2
Long. lleg. 83 34,2

Rumb. dir. N 12,30 E
Rumb. corr.

Dist. dir. 110,5
Dist. corr.

Corrientes.

Variaciones de la Agujа
N E [illegible]

ACAECIMIENTOS.

[illegible] Vto [illegible] [illegible] [illegible] Ciclo [illegible] el Vto [illegible]

[illegible]

Dia 6 *al* 7 *de* Marzo [illegible] *tiempo cibil* , *y* 6 *Astronomico de* ♃ *el* 7

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.
1	1	[illegible]	ene¼n	SSe	00	n 66,30 e	13,[illegible]	0[illegible]	"	12,[illegible]	"
2	1	5									
3	2	5									
4	3	"									
5	3	3									
6	"	"									
7	1	"									
8	"	"									
9	1	5	nne	ese		n 25,30 e	02,0	01,8	"	08,0	"
10	1	2		se							
11	2	"	ne¼e		10°	n 49,15 e	04,8	03,1	"	03,7	"
12	2	[illegible]									
13	3	5	ene¼n	SSe	3°		22,0	03,7	"	19,8	"
14	4	5									
15	5	3									
16	[illegible]	0									
17	[illegible]	1									
18	[illegible]	[illegible]	ene	sse	"	n 67,30 e	39,0	15,0	"	36,[illegible]	"
19	5	3									
20	5	5									
21	6	0									
22	[illegible]	[illegible]									
23	[illegible]	[illegible]									
24	[illegible]	[illegible]									
						Primeras sumas. . . .		34,0	"	72,5	"
						Segundas sumas. . . .					
						Diferencias					

Año de 17

Lat. sal. N 26° 28
Dif. est. N 2, 22,4
Lat. est. N 28° 50,4
Lat. obs. N 29. 36,0
Dif. obs. N 3° 08,0
Dif. dif. N 45,6
Suma. 56 0,4
Par. med. 28 02,0

Long. sal. 83° 09,0
Difer. pl. 95, e
Correg.
Esferic. 1° 37 e
Long. lleg. 84° 2[illegible],0

Rumb. dir. N 65 E
Rumb. corr. N 64 [illegible]

Dist. dir. 74 m.
Dist. corr. 210 m.

Corrientes.

Variaciones de la Aguja.
NE 3° 0[illegible]

ACAECIMIENTOS.

[illegible] al m.o dia con el [illegible] y Guard.o arr. [illegible] mant. [illegible] ene¼n [illegible]
[illegible] el [illegible] [illegible] [illegible] Chu. con [illegible] vent. [illegible] 10 [illegible]
[illegible] Aman.o los Cav. [illegible] [illegible] [illegible] Mro [illegible] SSe y [illegible]
[illegible] la [illegible] alas 7½ el [illegible] conum [illegible] [illegible] a [illegible] n. se
[illegible] una ene [illegible] la [illegible] N.

Dia 7 *al* 8 *de* [illegible] *tiempo cibil, y* 7 *Astronomico de* ☽ *el* 16

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	N 69° 30 [illegible]	[illegible]	21, c	[illegible]	60, [illegible]	
2	[illegible]	3		O S O							
3	6	0									
4	[illegible]	6									
5	3	[illegible]									
6	[illegible]	5									
7	[illegible]	[illegible]									
8	7	9									
9	[illegible]	3									
10	[illegible]	5									
11	[illegible]	0									
12	3	6									
13	3	6									
14	[illegible]	[illegible]		S S O							
15	[illegible]	[illegible]									
16	[illegible]	[illegible]									
17	[illegible]	[illegible]									
18	[illegible]	[illegible]									
19	5	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
20	6	6									
21	[illegible]	[illegible]	[illegible]								
22	[illegible]	[illegible]									
23	[illegible]	3									
24	[illegible]	[illegible]									

Año de 17

Lat. sal. N 20° 36
Dif. est. N 19, 6
Lat. est. N 20° 55 6
Lat. obs. N 20° 56, 0
Dif. obs. N 20, 0
Dif. dif. N 0, 4
Suma. [illegible]
Par. med. [illegible]

Long. sal. 81° 2 0
Difer. pl.
Correg.
Esferic. 1 7, 0
Long. lleg. 79, 25 0

Rumb. dir. N 73° 00
Rumb. corr. N 73, 00

Dist. dir. [illegible]
Dist. corr. [illegible]

Corrientes.

		N.	S.	E.	O.
[illegible]	Primeras sumas. . .	21, c	[illegible]	[illegible]	
	Segundas sumas. . .	1, 4			
ACAECIMIENTOS.	Diferencias.	19, 6		[illegible]	

Variaciones de la Aguja

[illegible]

[illegible]

Dia 8 *al* 9 *de* Marzo [illegible] *tiempo cibil*, *y* 8, *Astronomico de* ☽ *el* 17

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist	N	S.	E.	O.
1	7	4	E'	SO	"	S88°30E	63,0	"	02,0	63,0	"
2	6	3									
3	5	7									
4	4	5									
5	4	3									
6	3	5									
7	3	1									
8	2	6									
9	2	4									
10	2	2									
11	2	0									
12	2	8									
13	3	3									
14	3	3									
15	3	2									
16	3	1									
17	[illegible]	[illegible]		N							
18	[illegible]	5	E30SE	NE'	5°	S,64E'	12,0	"	03,9	08,9	"
19	[illegible]	6									
20	3	4									
21	[illegible]	1	E3SE5	"	"	S 57° E	10,4	"	06,2	8,3	"
22	2	5									
23	2	2									
24	2	2									
					Primeras sumas. . . .			"	12,2	79,2	"
					Segundas sumas. . . .						
					Diferencias						

Año de 179[illegible]

Lat. sal. N 29° 56'
Dif. est. S 12,2
Lat. est. N 29, 43 8
Lat. obs. N 29'
Dif. obs. S 08,0
Dif. dif. N 4,2
Suma. 59 44
Par. med. 29, 52 0

Long. sal. 79 25, 0c
Difer. pl. 79,4
Correg.
Esferic. 1° 32,1
Long. lleg. 72° 57,9

Rumb. dir. S81°28 E
Rumb. corr. S84°24 E

Dist. dir. 80, 1 [illegible]
Dist. corr. 80,0 [illegible]

Corrientes.

Variaciones de la Aguja.
NE 4° 30.

ACAECIMIENTOS.

[illegible]

Dia 9 *al* 10 *de* [illegible] *tiempo cibil, y* 9 *Astronomico de* 9 *el* 18

H.	M.	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	"	07,0	[illegible]	"
2	[illegible]	[illegible]	[illegible]	[illegible]	"	[illegible]	[illegible]	06,5	"	[illegible]	"
3	[illegible]	1									
4	[illegible]	[illegible]									
5	3	0	N 38 E	[illegible]		[illegible]	11,0	09,[illegible]	"	[illegible]	"
6	[illegible]	5									
7	[illegible]	3									
8	[illegible]	5									
9	3	[illegible]	[illegible]	[illegible]		[illegible]	15,2	10,0	"	11,5	
10	4	1									
11	4	[illegible]									
12	[illegible]	3									
13	2	6	[illegible]	[illegible]		[illegible]	11,[illegible]	[illegible],0	"	[illegible]	"
14	[illegible]	[illegible]									
15	[illegible]	[illegible]									
16	3	"									
17	3	1	[illegible]	[illegible]		[illegible]	06,4	02,9	"	05,7	"
18	[illegible]	[illegible]									
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	S 89 E	07,0	"	[illegible]	[illegible]	
20	[illegible]	[illegible]									
21	[illegible]	[illegible]	[illegible]	S		[illegible]	20,0	"	3,5	[illegible]	
22	[illegible]	[illegible]									
23	[illegible]	1									
24	[illegible]	0									

Año de 179[illegible]

Lat. sal. [illegible]
Dif. est. [illegible]
Lat. est. [illegible] 18
Lat. obs. [illegible]
Dif. obs. [illegible] 59
Dif. dif. [illegible] 39
Suma. 60 35
Par. med. 30 17,5

Long. sal. 77,57,[illegible]
Difer. pl. 62,[illegible]
Correg.
Esferic. [illegible]
Long. lleg. [illegible]

Rumb. dir. [illegible]
Rumb. corr. [illegible]

Dist. dir. 69
Dist. corr. [illegible]

Corrientes.

ACAECIMIENTOS.		N.	S.	E.	O.
	Primeras sumas . . .	35,6	5,6	62,7	
	Segundas sumas . . .	5,6			
	Diferencias.	30,0		62,7	

Variaciones de la Aguja
[illegible]

[illegible]

Dia 10 *al* 11 *de* Marzo [illegible] *tiempo civil*, *y* 10 *Astronomico de* D *el* 1[illegible]

H.	M	B.	Rumbos.	Vient	Ab.	Rbo. Corr.	Dist.	N	S.	E.	O.
1	5	0	ese	SSO	6	S73°.30 e	10,0	"	1,2	10,9	
2	5	0	ese 4 e	"	"	S70,30 e	16,7	"	3,3	16,4	
3	5	5									
4	6	0									
5	6	4	ese			S73°.30 e	57,5	"	15,0	50,2	"
6	5	6									
7	6	0									
8	6	9									
9	7	3									
10	6	5									
11	6	4									
12	6	4									
13	3	7	"	ono	oo	S67,30 e	26,1	"	10,0	24,2	
14	3	7									
15	2	6									
16	2	9									
17	1	5									
18	1	4									
19	1	4									
20	1	6									
21	1	5									
22	1	4									
23	1	6									
24	2	5									

Primeras sumas. . . .	"	29,5	94,7	"
Segundas sumas. . . .				
Diferencias				

Año de 179[illegible]

Lat. sal. N 30° 47
Dif. est. S 29,5
Lat. est. N 30 17,5
Lat. obs. N 30°. 12,0
Dif. obs. S 35,0
Dif. dif. S 05,5
Suma. 6 59
Par. med. 3 29,5

Long. sal. 76° 40. 9 O
Difer. pl. 94,7 e
Correg.
Esferic. 1,49,5 e
Long. lleg. 74,58,4

Rumb. dir. S74° 30 e
Rumb. corr. S 70 e

Dist. dir. 96
Dist. corr. 98

Corrientes.

Variaciones de la Aguja.
00° 00'

ACAECIMIENTOS.

Al medio dia [illegible] con las [illegible] ese SE [illegible] SS [illegible]
[illegible]
[illegible]
[illegible] 550 [illegible]
[illegible] y la Mar gruesa del SO
[illegible]

Dia 11 al 12 de Marzo 5.ª tiempo civil, y 11 Astronomico de D el [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rho. Cor.	Dist.	N.	S.	E.	O.
1	3	3	E ¼ S	NE	oo	S 87° E	74,0	"	04,0	74,0	"
2	3	3									
3	3	4									
4	4	4									
5	6	0		O							
6	6	4									
7	7	0									
8	7	3									
9	7	2									
10	8	1									
11	8	2									
12	8	1									
13	7	6	E			N 89 E	20,2	01,8	"	20,0	
14	8	1									
15	8	2									
16	7	6									
17	7	1									
18	7	2									
19	8	2									
20	8	3									
21	7	2		ONO							
22	6	4									
23	6	4		O							
24	6	6									

	N.	S.	E.	O.
Primeras sumas	1,8	4,0	164	
Segundas sumas		1,8		
Diferencias		2,2	164	

Año de 17[illegible]

Lat. sal. N 30° 12
Dif. est. S 2,2
Lat. est. N .. 9,8
Lat. obs. N 30° 13
Dif. obs. S .. 1,0
Dif. dif. N 1,2
Suma. 60 25
Par. med. 30 12,5

Long. sal. 74,51,20
Difer. pl. 164,0 E
Correg.
Esferic. 3, 10, 0 E
Long. lleg. 71, 41, 4[illegible]

Rumb. dir. S 89,24 E
Rumb. corr. E

Dist. dir. 164
Dist. corr. 164

Corrientes.

Variaciones de la Aguja
NE 1° 00'

ACAECIMIENTOS.

Seg. [illegible] 3 [illegible] [illegible] [illegible]

Dia 12 al 13 de Marzo Mar.ᵒ tiempo cibil, y 12 Astronomico de ☽ el 81

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.
1	6	6	E	O		N 88,30 E	166,4	5,2	〃	166,2	〃
2	7	5									
3	8	4									
4	8	1									
5	7	3									
6	7	3									
7	8	2									
8	8	5									
9	8	1									
10	7	6									
11	8	3									
12	7	6									
13	6	5									
14	7	1									
15	7	3									
16	6	6									
17	6	7									
18	5	4									
19	5	7									
20	4	3									
21	3	6									
22	4	4									
23	6	0									
24	6	6									
						Primeras sumas.		5,2		166,3	
						Segundas sumas.					
						Diferencias					

Año de 1793

Lat. sal. N 30° 13,0
Dif. est. N 5,2
Lat. est. N 30 17,2
Lat. obs. N 30 25,
Dif. obs. N 00 08
Dif. dif. N 2,8
Suma. 60 42
Par. med. 30 21,0

Long. sal. 71° 41,4 Oc.
Difer. pl. 166,3 E
Correg.
Esferic. 3. 13,0 E
Long. lleg. 68° 28,4 Oc.

Rumb. dir. N 88,30 E
Rumb. corr. N 88 E

Dist. dir. 166,4
Dist. corr. 166,0

Corrientes.

Variaciones de la Aguja.
[illegible]

ACAECIMIENTOS.

[illegible] proa N. E. co[illegible] [illegible]
[illegible]
[illegible]

Dia 13 al 14 de Marzo Mier. tiempo cibil, y 13 Astronomico de D 122

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	7	6	[illegible]	[illegible]	06	S 21 [illegible]	274,2	,,	20,0	173,0	
2	6	7									
3	8	9									
4	7	3									
5	6	6									
6	7	0									
7	6	5									
8	6	6									
9	6	4		SO							
10	6	4									
11	6	6									
12	6	6									
13	7	0		SSO							
14	5	4									
15	6	4									
16	[illegible]										
17	6	0		OSO							
18	6	5									
19	7	7	O5°S			S 87 00 E	39,0	〃	02,2	39,	〃
20	7	5									
21	7	4		O							
22	6	0									
23	6	4									
24	4	5									

Año de 1792

- Lat. sal. N 30° 20,0
- Dif. est. S 22,0
- Lat. est. N 29 58
- Lat. obs. N .. ..
- Dif. obs. .. .
- Dif. dif. .. .
- Suma. 60 18
- Par. med. 30 09
- Long. sal. 68 28,4 Oc.
- Difer. pl. 162,0 E
- Correg.
- Esferic. 3° 09,0 E
- Long. lleg. 65° 19 1
- Rumb. dir. S 80 E
- Rumb. corr. – – –
- Dist. dir. 164 m
- Dist. corr. – – –
- Corrientes. – – –

ACAECIMIENTOS.		N.	S.	E.	O.
	Primeras sumas . . .	22,0	22,0	162,	
	Segundas sumas . . .				
	Diferencias.				

Variaciones de la Aguja
NO 2° 00

A medio dia se mandó gobernar al E 1/4 SE [illegible]
[illegible]
[illegible]
[illegible]
[illegible]

Dia 14 al 15 de Marzo Juev. tiempo civil, y 14 Astronomico de D el 20

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.	Año de 1792
1	3	6	ES°S	O	oo	S88E	32,7	"	01,5	32,7	"	
2	3	5										Lat. sal. N 30.° 20.
3	4	7										Dif. est. S oo 46,4
4	4	8										Lat. est. N 29,33,6
												Lat. obs. N 29.48,0
5	4	0										Dif. obs. S 32,0
6	4	7										Dif. dif. N 14,4
7	4	3										Suma. 60 08
8	3	5										Par. med. 30, 04
9	3	3	E3°S	"	"	E	27,0	"	00,0	27,0		
10	3	4										Long. sal. 68 28,1
11	3	4										Difer. pl. 232.90
12	3	3										Correg.
13	3	5										Esferic. 4, 31 0
14	4	0										Long. lleg. 63° 57,1
15	3	0										
16	2	1										
17	2	0	ESE	NE	5°	S65.30E	04,0	"	01,7	03,6	"	Rumb. dir. S 75° 06 E
18	2	0										Rumb. corr. S 87° 30 E
19	2	2	SE8S	ENE	"	S35E	05,3	"	04,3	03,0		
20	3	0										
21	4	1	S5E5S	E	"	S15°30E	16.9	"	16	04,6		Dist. dir. 7[illegible]
22	4	5										Dist. corr. 235 m.
23	4	3										
24	4	7										Corrientes.

ACAECIMIENTOS.		N	S.	E.	O.	Variaciones de la Aguja.
	Primeras sumas. . . .	"	24,4	70,[illegible]		NE 3° 00
	Segundas sumas. . . .		77			
	Diferencias		26.2	373		

[illegible]

Dia 15 *al* 16 *de* [illegible] Viern. *tiempo cibil*, *y* 15 *Astronomico de* D *el* 2½

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	2	3	SSE¼S	e	S	S16.30'E	02,4	"	2,3	00,7	"
2	2	4	ene	se	"	N59.70 E	02,6	01,3	"	2,2	"
3	2	4	N¼NE	SE¼S		N7..	05,0	1,7	"	.27	"
4	2	3									
5	3	7	enere	"	3°	N69.30E	24,2	9,0	"	22,5	"
6	3	5									
7	3	1									
8	3	1									
9	3	1									
10	3	9									
11	2	5									
12	1	6									
13	2	0	OSN	SSE	"	N49. E	15,0	1,0	"	15,0	"
14	2	3									
15	2	4									
16	2	6									
17	3	0									
18	2	0									
19	[illegible]		e	S	oo	N87°E	41,2	2,4	"	[illegible]	
20											
21	6	6									
22	7	4									
23	7	3									
24	7										

	N.	S.	E.	O.
Primeras sumas. . .	45,4	2,3	87,4	
Segundas sumas. . .	2,3			
Diferencias.	43,1	—	87,4	—

Año de 179[illegible]

Lat. sal. N 29° 48
Dif. est. N 13,1
Lat. est. N [illegible]
Lat. obs. N 30 26,0
Dif. obs. N 38
Dif. dif. N 24,9
Suma. 60 14
Par. med. 30° 07

Long. sal. 63° 37,10
Difer. pl. 82,4
Correg.
Esferic. 1 [illegible]
Long. lleg. 62 16,1

Rumb. dir. N 81°36 E
Rumb. corr. N 6[illegible]

Dist. dir. 88,7
Dist. corr. 93,1

Corrientes.

Variaciones de la Aguja
N E 3° 00

ACAECIMIENTOS.

[illegible] Celelato [illegible]
Amanecio [illegible]
[illegible] todas [illegible]

Dia 16 al 17 de Marzo [illegible] tiempo cibil, y 16 Astronomico de D [illegible]

H.	M.	B.	Rumbos.	Vient.	Ab.	Rbo. Corr.	Dist.	N	S.	E.	O.
1	6	3	E¼SO	S¼SO	2.°	S88¼SE	12,4	"	01,6	12,6	"
2	6	0									
3	5	4	ESE	SSO	"	N89E	26,4	01,6	"	26,3	"
4	5	4									
5	5	4									
6											
7	6	3									
8	7	3									
9	6	3									
10	5	5									
11											
12		4									
13	6	7									
14	7	3									
15	8	0									
16	7	5									
17	7	0									
18	6	4		SO¼S	"	S89E	53,1	"	01,0	53,0	"
19	7	3									
20	8	5									
21	8	0									
22	7	3									
23	7	3									
24	8	0									

	N	S.	E.	O.
Primeras sumas. . . .	1,6	2,6	161,9	
Segundas sumas. . . .		1,6		
Diferencias		1,0	161,9	

Año de 1792

Lat. sal.	N 30. 26
Dif. est.	S 01,0
Lat. est.	N 30. 25
Lat. obs.	N 30. 39
Dif. obs.	N 13
Dif. dif.	N 14
Suma.	61. 05
Par. med.	30. 32,5
Long. sal.	62. 15, 1 Oc.l
Difer. pl.	169,9 E
Correg.	
Esferic.	3, 08, 0 E
Long. lleg.	59, 08, 1
Rumb. dir.	N 89, 56 E
Rumb. corr.	N 85, 7¼ E
Dist. dir.	161,9
Dist. corr.	162
Corrientes.	

Variaciones de la Aguja.

NO 4.° 00

ACAECIMIENTOS.

[illegible] E¼SE y 10 S¼SO [illegible] [illegible]

Dia 17 al 18 de Marzo ... tiempo cibil, y 17 Astronomico de ... el ...

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	8	1	E 8,5	[illegible]	oo	S86 E	15,6	"	1,2	15,6	"
2	7	3									
3	7	2	E	"	"	N85 E	150,4	14,0	0	150,0	"
4	7	1									
5	6	6									
6	6	1									
7	6	4									
8	6	6									
9	7	4									
10	7	[illegible]									
11	6	0									
12	8	4									
13	8	3									
14	7	6									
15	7	3									
16	7	1									
17	7	2									
18	7	3									
19	7	0									
20	[illegible]										
21	5	7									
22	4	6									
23	5	0									
24	5	2									
						Primeras sumas		14,		165,6	
						Segundas sumas		1 2			
						Diferencias		12,8	—	165,6	—

Año de 17..

Lat. sal. N 30° 39'
Dif. est. N 12.8
Lat. est. N 30 51,8
Lat. obs. N ..
Dif. obs.
Dif. dif.
Suma. 61. 30, 8
Par. med. 30 45, 4

Long. sal. 53° 08 Occ.
Difer. pl. 165,6 E
Correg.
Esferic. 3. 12 E
Long. lleg. 55° 56

Rumb. dir. N 85° 45 E
Rumb. corr.

Dist. dir. 166 m.
Dist. corr.

Corrientes.

Variaciones de la Aguja
NO 5° oo'

ACAECIMIENTOS.

[illegible] ... sin mas nov. q. haver sido los ... [illegible]

Dia 18 *al* 19 *de* Marzo [illegible] *tiempo cibil , y* 18 *Astronomico de* ☽ *el* [illegible]

H.	M	B.	Rumbos.	Vient	Ab.	Rbo. Corr.	Dist.	N	S.	E.	O.
1	3	0	[illegible]	NE	1	N 89 E	07,0	00,1	,,	07	
2	4	[illegible]									
3	[illegible]	[illegible]	E¼ [illegible]	NE¼N		S 79 45 E	08,7	,,	01,6	08,6	,,
4	4	[illegible]									
5	5	4	S 70 E	NE		S 71 E	16,6	,,	05,4	15,8	,,
6	4	5									
7	3	2									
8	3	1									
9	4	1	E¼SE	NE		S 79 45 E	04,1	,,	00,8	04,1	,,
10	4	6	E			N 89 E	13,2	00,2	..	13,2	
11	4	0									
12	4	3									
13	4	6	S 86 E	NE		S 85 E	17,1	,,	1,2	17,1	,,
14	4	6									
15	4	1									
16	3	1									
17	3	5	S 63 E			S 64 E	16,0	,,	07,0	14,5	,,
18	3	5									
19	4	1									
20	3	1									
21	5	0	SE¼E			S 57 45 E	19,1	,,	10,4	16,0	,,
22	5	0									
23	4	5									
24	[illegible]	[illegible]									
						Primeras sumas . . .		00,9	26,4	96,3	
						Segundas sumas . . .			00,9		
						Diferencias			25,5	96,3	

Año de 17[illegible]

Lat. sal. N 3.° 39'
Dif. est. S 12,7
Lat. est. N 3.° 26,3
Lat. obs. N 3.° [illegible]
Dif. obs. N [illegible]
Dif. dif. N [illegible]
Suma. 61 [illegible],6
Par. med. 3.° 40,3

Long. sal. 59 08,1
Difer. pl. 260,8 [illegible]
Correg.
Esferic. 5 [illegible]
Long. lleg. [illegible] 00,1

Rumb. dir. S 72 ¼ E
Rumb. corr. N 89 48 E

Dist. dir. 99,[illegible]
Dist. corr. [illegible]

Corrientes.

Variaciones de la Aguja.
NE 5.° 00

ACAECIMIENTOS.

[illegible] ciñendo el [illegible] [illegible] [illegible] [illegible]
[illegible]
[illegible]

Dia 1 al 2 de Marzo Mar.° tiempo cibil, y 19 Astronomico de D el 28

H.	M	B.	Rumbos.	Viento.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	7	5	SE¼E	ne	8°	S51°E	12,7	"	06,9	10,6	"
2	7	4									
3	3	3									
4	4	0									
5	1	5	SE33	"	"	S37°E	28,1	"	22,5	17,0	"
6	5	0									
7	1	0									
8	1										
9	3	5									
10	3	3									
11	3										
12	1		n3o	en	8	n11°o	01,6	01,6	"	"	00,3
13	1	4	ne	"	"	n48°30e	08,7	08,6	"	01,3	
14	1	3									
15	1	3									
16	1	3									
17	1	3									
18	1	3									
19			ne			n31°e	05,0	04,3	"	2,6	"
20											
21	2	4	ne9n			n.ne	10,4	03	"	3,9	
22	2	5									
23	2	6									
24	2	3									
						Primeras sumas . . .		24,1	29,4	35,1	0,3
						Segundas sumas . . .			24,1	34,0	
ACAECIMIENTOS.						Diferencias			5,3	1	

Año de 1772

Lat. sal. N 30° 41' 0
Dif. est. S 5,3
Lat. est. N 30 35,7
Lat. obs. N 30 39,0
Dif. obs. S 2,0
Dif. dif. S 3,3
Suma. 61 20
Par. med. 30 40,0

Long. sal. 54, 06,1
Difer. pl. 35,1 E
Correg.
Esferic. 00, 41,0 E
Long. lleg. 53, 25,1

Rumb. dir. S 84° 20 E
Rumb. corr. S 80 36 E

Dist. dir. 35,2 mi.
Dist. corr. 42,9

Corrientes.

Variaciones de la Aguja
NO 6°00'

[illegible] seguimos al medio dia [illegible] [illegible] seg. en [illegible] navio [illegible] [illegible] asi [illegible]

Dia 20 *al* 21 *de* Ma[illegible] M[illegible] *tiempo civil, y* 20 *Astronomico de* [illegible] *el* [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	2	3	n28e	ese	5°	n16,30e	07,1	6,4	"	02,2	"
2	2	4									
3	2	5									
4	[illegible]		ne¼e	se	"	n44 45e	02,7	01,9	"	01,9	"
5	2	2	ene¼n	sse	"	n54e	04,0	02,3	"	03,2	"
6	1	5									
7	1	4	enese	"	"	n61,30e	22,1	10,5	"	19,4	"
8	1	6									
9	2	2									
10	2	2									
11	2	1									
12	2	0									
13	2	0									
14	2	3									
15	2	[illegible]									
16	[illegible]	[illegible]									
17	3	0			3°	n63°30e	22,6	10,4	"	22,3	"
18	2	3									
19	2	6									
20	2	5									
21	3	0									
22	3	1									
23	3	5									
24	2	5									
					Primeras sumas. . . .			32,3	"	57,0	"
					Segundas sumas. . . .						
ACAECIMIENTOS.					Diferencias						

Año de 17[illegible]		
Lat. sal.	N 30	39
Dif. est.	N	32,3
Lat. est.	N 31,	11,3
Lat. obs.	N 31	32
Dif. obs.	N 00	53,0
Dif. dif.	N	20,7
Suma.	62	11
Par. med.	31	05,5
Long. sal.	53	25,10'
Difer. pl.		47,0
Correg.		
Esferic.		55 e
Long. lleg.	52°	30,1
Rumb. dir.	N55	48e
Rumb. corr.	N 41°	42e
Dist. dir.	56	9 m
Dist. corr.	70,7	
Corrientes.		

Variaciones de la Aguja.
NO 6.' 30 Obs.^da^

[illegible] que [illegible] en [illegible] sin novedad [illegible]
[illegible]

Dia 21 al 22 de Marzo [illegible] tiempo civil, y 21 Astronomico de D el 12.

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	3	1	enese	sse	9°	N60 30 E	21,1	10,5	"	18,4	"
2	3	2									
3	3	0									
4	2	2									
5	2	1									
6	2	3									
7	2	2									
8	2	4									
9	3	0	ene			N57.30 E	23,0	13,0	"	19,0	"
10	2	4									
11	2	4									
12	3	0									
13	3										
14	4	1									
15	4	1									
16	3	1	enese	S	2°	N62°30E	32,2	15,1	"	28,7	"
17	3	2									
18	3	2									
19	3	1									
20	3	1									
21	3	2									
22	4	2									
23	4	2									
24	4	0									
						Primeras sumas . . .		38	"	66,1	
						Segundas sumas . . .		—	—	—	—
						Diferencias					

Año de 1792

Lat. sal. N 31° 32,2
Dif. est. N. 38,6
Lat. est. N 32. 10,8
Lat. obs.
Dif. obs.
Dif. dif.
Suma. 63° 45
Par. med. 31 51,5

Long. sal. 52° 30,1
Difer. pl. 66,1 E
Correg.
Esferic. 1, 18 E
Long. lleg. 51, 12,1

Rumb. dir. N 60,12 E
Rumb. corr.

Dist. dir. 76 mi
Dist. corr.

Corrientes.

Variaciones de la Aguja
NO 6° [illegible]

ACAECIMIENTOS.

Seguimos esta singl. con el mismo aparejo [illegible]
[illegible] novedad [illegible]

Dia 21 al 23 de M.^o 91. tiempo cibil, y 22 Astronomico de ☽ el ♃

H.	M	E.	Rumbos.	Vient	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.
1	6	0	ONESE	[illegible]	00	N 64 E	20,1	24,1	"	13,3	"
2	5	3									
3	5	3	O¼NE	SO		N70 45	59,0	13,9	"	55,8	"
4	5	4		SSO							
5	5	0									
6	4	0									
7	4	0									
8	3	2									
9	2	6									
10	2	4									
11	2	4									
12	2	3									
13	2	3									
14	2	3									
15	2	2									
16	2	2									
17	1	4									
18	1	4									
19											
20	1	0									
21	1	6									
22	1	4									
23	1	2									
24	1	2									

Primeras sumas. . . .					
Segundas sumas. . . .					
Diferencias					

Año de 1792

Lat. sal. N 31.° 32,2
Dif. est. 1. 02,9
Lat. est. N 32. 35,1
Lat. obs. N 32. 51,8
Dif. obs. N 19,7
Dif. dif. N 16,8
Suma. 64 24
Par. med. 32 12

Long. sal. 52.° 30.
Difer. pl. 131,7 O.
Correg.
Esferic. 2.° 34. O.
Long. lleg. 49. 56. O.

Rumb. dir. N 64.° 1/4 E
Rumb. corr. N 81,36 O.

Dist. dir. 143 m.
Dist. corr. 132.

Corrientes.

Variaciones de la Aguja.
NO 8 00.

ACAECIMIENTOS.

Seguimos [illegible] con [illegible] [illegible] los [illegible]
[illegible]

Dia 23 al 24 de Nbre. 500. tiempo cibil, y 23 Astronomico de D el

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo Cor.	Dist.	N.	S.	E.	O.
1	2	2	E¼NE	NO	00	N60°45'E	17,1	06,0	"	16,0	"
2	2	2									
3	4	1									
4											
5	2	2		N							
6	4										
7		2	O¼SO	NNO	4	S83°45'O	30,1	00,0	3,3	30,1	"
8											
9	4	0									
10	3	6									
11	4	0									
12	8	0									
13	6	0			11	S76°45'E	06,0	"	1,4	5,8	
14	4	1	ESE3°E	NE	22	S57,30 E	11,V	"	6,4	10,0	"
15	3	1									
16	4	0									
17	4	2	ESE6S	"	"	S40°30 E	15,1	"	10,0	11,4	
18	3	5									
19	3	3									
20	3	5									
21	4	0	SESE	ONE	15	S23°E	14,4		10,5	3,9	
22	3	6									
23	3	4									
24	3	0									
				Primeras sumas . . .							
				Segundas sumas . . .							
				Diferencias							

Año de 1792

Lat. sal.	N 32°51,9
Dif. est.	S 26,2
Lat. est.	N 32.25,7
Lat. obs.	N 32. 14,0
Dif. obs.	S 37,9
Dif. dif.	S 11,3
Suma.	65 5,9
Par. med.	32 32,9
Long. sal.	49 56,10'
Difer. pl.	83,2
Correg.	
Esferic.	1 38,6 E
Long. lleg.	48,17,5
Rumb. dir.	S72,30E
Rumb. corr.	S66E
Dist. dir.	86 m.
Dist. corr.	89, 8
Corrientes.	

Variaciones de la Aguja

NO 9.00'

ACAECIMIENTOS.

[illegible]

Dia 24 al 25 de M.e Jom.e tiempo cibil, y 24 Astronomico de D el

H.	M	B.	Rumbos.	Vient.	Ab.	Rho. Cor.	Dist.	N	S.	E.	O.
1	2	5	SESS	ene	17°	S3. E.	05,[illegible]	"	4,4	3,0	"
2	2	4									
3	2	3	SE		"	S 5[illegible] E	17, 6	"	12,0	10,5	"
4	2	4									
5	2	4									
6	2	3									
7	2	4									
8	3	0									
9	2	4									
10	2	3	SSESE	e	"	S19° [illegible]	06,7	0 0	06,3	2,2	
11	2	3									
12	1	6									
13	1	5	SE¼S	e¼ne		S. 5[illegible]	06,0	"	5,4	2,6	
14	2	3									
15	1	5									
16	2	0	nne		24	[illegible]	02,0	1,6			00,9
17	2	2	nne¼n	e	"	[illegible]	09,1	08,8	"	"	02,3
18	2	1									
19	2	2									
20	2	3	~~[illegible]~~	"	"	~~[illegible]~~					
21	2	3	[illegible]	"	"	[illegible]	11, 0	10,4	"	"	03,5
22	2	6									
23	2	6									
24	2	6									

	N	S	E	O
Primeras sumas. . . .	20,8	30,1	18,3	06,7
Segundas sumas. . . .		20,8	6,7	
Diferencias		09,3	11 6	

Año de 179[illegible]

Lat. sal. N 32° 14,0
Dif. est. S 09,3
Lat. est. N 32. 04,7
Lat. obs. N 31. 52,0
Dif. obs. S 22,0
Dif. dif. S 12,7
Suma. 64 16
Par. med. 32 08

Long. sal. 48, 17, 5
Difer. pl. 11, 6 E
Correg.
Esferic. 13, 9 E
Long. lleg. 48 03, 6

Rumb. dir. S 57° 0
Rumb. corr. S 27. 51. E

Dist. dir. 15, 6
Dist. corr. 27, 9

Corrientes.

Variaciones de la Aguja.
NO 9°. 00.

ACAECIMIENTOS.

[illegible]

Dia [illegible] *al* [illegible] *de* [illegible] *tiempo cibil , y* [illegible] *Astronomico de* [illegible] *el*

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											

Primeras sumas. . . .	[illegible]		[illegible]		
Segundas sumas. . . .					
Diferencias.			[illegible]		

Año de 17 [illegible]

Lat. sal. [illegible]
Dif. est. [illegible]
Lat. est. [illegible]
Lat. obs. [illegible]
Dif. obs. [illegible]
Dif. dif. [illegible]
Suma.
Par. med. [illegible]

Long. sal. [illegible]
Difer. pl. [illegible]
Correg.
Esferic. [illegible]
Long. lleg. [illegible]

Rumb. dir. [illegible]
Rumb. corr. [illegible]

Dist. dir. [illegible]
Dist. corr. [illegible]

Corrientes.

Variaciones de la Aguja
[illegible]

ACAECIMIENTOS.

[illegible]

Dia [illegible] *de* [illegible] *tiempo cibil , y Astronomico de* ☽ *el* [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.
1	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	
2		6									
3											
4			[illegible]			[illegible]		[illegible]		[illegible]	
5			[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	
6											
7			[illegible]	[illegible]		[illegible]	[illegible]			[illegible]	
8											
9			[illegible]	[illegible]	60	47.30	[illegible]	[illegible]		[illegible]	
10											
11											
12											
13											
14											
15											
16											
17				[illegible]							
18											
19				0							
20	6	3									
21		5		[illegible]							
22		6									
23				[illegible]							
24											

Año de 17[illegible]

Lat. sal. [illegible]
Dif. est. [illegible]
Lat. est. [illegible]
Lat. obs. [illegible]
Dif. obs. [illegible]
Dif. dif. [illegible]
Suma. [illegible]
Par. med. [illegible]

Long. sal. [illegible]
Difer. pl. [illegible]
Correg.
Esferic. [illegible]
Long. lleg. [illegible]

Rumb. dir. [illegible]
Rumb. corr. [illegible]

Dist. dir. [illegible]
Dist. corr. [illegible]

Corrientes.

ACAECIMIENTOS.		N	S.	E.	O.
	Primeras sumas . . .	[illegible]		[illegible]	
	Segundas sumas . . .				
	Diferencias				

Variaciones de la Aguja.
[illegible]

[illegible handwritten entry]

Dia [illegible] al [illegible] de [illegible] tiempo civil, y Astronomico de [illegible] el [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1											
2											
3											
4											
5						S 63					
6											
7											
8											
9									13,9		
10											
11											
12											
13	3		SE								
14											
15											
16											
17											
18	3										
19	3										
20											
21											
22											
23											
24											

	Primeras sumas. . .				
	Segundas sumas. . .				
ACAECIMIENTOS.	Diferencias.				

Año de 179[illegible]

Lat. sal. [illegible] 35 10
Dif. est. 5 28
Lat. est. 33 42
Lat. obs. 33 37
Dif. obs. 5 24
Dif. dif. 5 3
Suma. 67 19
Par. med. 33 [illegible]

Long. sal. [illegible]
Difer. pl. 69
Correg.
Esferic. 1 25
Long. lleg. [illegible]

Rumb. dir. S 68
Rumb. corr. S6[illegible]

Dist. dir. 75
Dist. corr. 79

Corrientes.

Variaciones de la Aguja

[illegible]

Dia [illegible] *al* [illegible] *de* [illegible] *tiempo cibil , y Astronomico de D el* 8

H.	M	B.	Rumbos.	Vientos	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.
1	2	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	
2	[illegible]	1									
3	1	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	
4	[illegible]	3									
5	2	1	[illegible]	SE		[illegible] 43° [illegible]	[illegible]	[illegible]		[illegible]	
6	2	2									
7	2	4									
8	[illegible]	0									
9	1	[illegible]	[illegible]	[illegible]		[illegible]	17 [illegible]	[illegible]		[illegible]	
10	1	[illegible]									
11	1	2									
12	1	[illegible]									
13	2	0									
14	[illegible]	6									
15	[illegible]	6									
16	[illegible]	1									
17	2	0									
18	[illegible]	[illegible]									
19	2	3		S		[illegible]	[illegible]	[illegible]		[illegible]	
20	3	[illegible]									
21	3	6									
22	[illegible]	[illegible]									
23	[illegible]	6									
24	[illegible]	6									

Primeras sumas . . .	[illegible]
Segundas sumas. . . .	
Diferencias	

Año de 17[illegible]

Lat. sal.	[illegible]	[illegible]
Dif. est.		[illegible]
Lat. est.	[illegible]	[illegible]
Lat. obs.	[illegible]	[illegible]
Dif. obs.		[illegible]
Dif. dif.	5	[illegible]
Suma.	67	[illegible]
Par. med.	33	[illegible]
Long. sal.	[illegible]	[illegible]
Difer. pl.		[illegible]
Correg.		
Esferic.		[illegible]
Long. lleg.	[illegible]	[illegible]
Rumb. dir.	[illegible]	
Rumb. corr.	[illegible]	
Dist. dir.	51	[illegible]
Dist. corr.	62	[illegible]
Corrientes.		

Variaciones de la Aguja.
[illegible]

ACAECIMIENTOS.

[illegible] principio [illegible] claro [illegible]
[illegible]

Dia [illegible] *al* [illegible] *de* [illegible] *tiempo cibil, y* [illegible] *Astronomico de* [illegible] *el* [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 55 30 [illegible]	155,3	[illegible]		[illegible]	
2											
3											
4											
5											
6		1									
7											
8											
9											
10											
11	6										
12		5									
13	7										
14											
15											
16											
17	7										
18	7										
19	7										
20	6										
21											
22											
23											
24											
						Primeras sumas . . .		[illegible]		[illegible]	
						Segundas sumas . . .					
						Diferencias.					

Año de 1797

Lat. sal. 39 55
Dif. est. 1 8
Lat. est. 37 [illegible]
Lat. obs. [illegible]
Dif. obs. 1 [illegible]
Dif. dif. 1
Suma. 69 32
Par. med. 34 46

Long. sal. [illegible] 08
Difer. pl. 174
Correg.
Esferic. 2. 36. 1
Long. lleg. 1. 3 1

Rumb. dir. N 55 30
Rumb. corr. N 51 [illegible]

Dist. dir. 155,3
Dist. corr. 163

Corrientes.

Variaciones de la Aguja
[illegible]

ACAECIMIENTOS.

[illegible] vela [illegible] con [illegible]
[illegible] Anochecio [illegible]
[illegible]
[illegible] 13 [illegible]
[illegible]
[illegible] 50 [illegible]

Dia 30 *al* 31 *de* Mayo [illegible] *tiempo civil*, y 30 *Astronomico de* D *el*

H.	M.	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.
1	7	6	[illegible]	[illegible]	00	[illegible]	30.9	[illegible]		[illegible]	
2	7	5									
3	4	4									
4	7	9									
5	8	1	[illegible]	50		[illegible]	72.1	[illegible]		67.5	
6	8	2		ONO							
7	8										
8	8	6									
9	9	6									
10	9	8									
11	9	1									
12	9	5									
13	8	6	[illegible]	"		[illegible]	35.	[illegible]		33.8	
14	8	6									
15	9	0									
16	9	0									
17	9	0	[illegible]			[illegible]	36.6	[illegible]		35.9	
18	9	1									
19	9	2									
20	9	4									
21	9	1	[illegible]	50		[illegible]	[illegible]	10.0		35.0	
22	9	5									
23	10	1									
24	9	3									

ACAECIMIENTOS.		N	S.	E.	O.
	Primeras sumas. . . .	60		203	
	Segundas sumas. . . .				
	Diferencias				

Año de 179[illegible]

Lat. sal.	[illegible] 35º 37'
Dif. est.	1. 06
Lat. est.	36 43
Lat. obs.	37 06
Dif. obs.	1. 29
Dif. dif.	[illegible] 23
Suma.	[illegible]
Par. med.	36 [illegible]
Long. sal.	41. 32.1
Difer. pl.	203. 0
Correg.	
Esferic.	[illegible]
Long. lleg.	37 [illegible]
Rumb. dir.	[illegible]
Rumb. corr.	[illegible]
Dist. dir.	[illegible]
Dist. corr.	[illegible]
Corrientes.	[illegible]

Variaciones de la Aguja.

[illegible]

Al medio dia seguimos al E S [illegible] [illegible] [illegible] de 9º [illegible] [illegible] [illegible] [illegible] [illegible]

y Amanecio en los mismos terminos.

Dia [illegible] *al* 4 *de* Abl [illegible] *tiempo civil*, *y* 31 *Astronomico de* D *al* 11

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	8		ESESO	SO	0	[illegible] S6 O	38	"	01.9	08.3	"
2	6		SE¼S	"	6	S56 30 O	[illegible],0	"		19,[illegible]	
3	8	6									
4	6	3									
5	4	3	SO	"	"	S 66 O	66,[illegible]	"	[illegible]	58,1	"
6	4	6									
7	4	6									
8	4	6									
9	9	1									
10	9	1									
11	8	0									
12	4										
13	9	0	SE¼S	"	"	S6[illegible] O	27,[illegible]	"	02	06,5	"
14	[illegible]	1	OE¼S		1°	S56 30 O	33,0	"	04.3	03.3	
15	[illegible]	0									
16	6	0									
17	8	6									
18	[illegible]	0	ESESS		2°	S83 [illegible] O	64,0		01.0	6[illegible]	"
19	9	0									
20	9	3									
21	[illegible]	[illegible]									
22	[illegible]	6									
23	[illegible]										
24	[illegible]										
Primeras sumas								"	67,1	189,2	
Segundas sumas											
Diferencias											

Año de 179[illegible]

Lat. sal.	37° 07'
Dif. est.	S [illegible],1
Lat. est.	36° 10,9
Lat. obs.	N 36, 36
Dif. obs.	S 31
Dif. dif.	16,1
Suma.	73° 43
Par. med.	36, 51,5
Long. sal.	34° 20,1
Difer. pl.	180,[illegible]
Correg.	
Esferic.	3, 5[illegible]
Long. lleg.	33° 2[illegible],1
Rumb. dir.	S 76° E[illegible]
Rumb. corr.	S 80 [illegible]
Dist. dir.	19[illegible]
Dist. corr.	191
Corrientes.	

Variaciones de la Aguja
NO 15° 00

ACAECIMIENTOS.

Al medio dia se [illegible] al ESE [illegible] con el [illegible] varias, [illegible]
[illegible] SO [illegible] a las 13 [illegible] SO [illegible]
[illegible]
[illegible] a las 13 [illegible] ESE [illegible]
[illegible] a las 18 [illegible]
[illegible]

Dia [illegible] *al* [illegible] *de* [illegible] *tiempo cibil , y* [illegible] *Astronomico de* ☽ *el* [illegible]

H.	M	B.	Rumbos.	Vientos.	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.
1	8	[illegible]	[illegible]	[illegible]	2º	[illegible]	[illegible]				
2	8	[illegible]									
3	8	0									
4	8	0	[illegible]			S 81º 30 E	[illegible]				
5	7	3	[illegible]			[illegible]	[illegible]				
6	6	5									
7	6	6	[illegible]		[illegible]	[illegible]	[illegible]				
8	6	6									
9	7	0	[illegible]			[illegible]	[illegible]				
10	7	0									
11	6	6									
12	6	[illegible]									
13	6	[illegible]									
14	7	0	[illegible]			S 78 [illegible] E					
15	6	2									
16	[illegible]	0	[illegible]		[illegible]	[illegible]	[illegible]				
17	5	0									
18	5	1									
19	5	1									
20	6	5	[illegible]			[illegible]	[illegible]				
21	6	[illegible]									
22	6	[illegible]									
23	6	[illegible]									
24	6	[illegible]									

Año de 179[illegible]

- Lat. sal. [illegible]
- Dif. est. [illegible]
- Lat. est. 36 38 [illegible]
- Lat. obs. 36 50 [illegible]
- Dif. obs. [illegible]
- Dif. dif. [illegible]
- Suma. [illegible]
- Par. med. [illegible]

- Long. sal. [illegible]
- Difer. pl. [illegible]
- Correg.
- Esferic. [illegible]
- Long. lleg. 30 [illegible]

- Rumb. dir. [illegible]
- Rumb. corr. [illegible]

- Dist. dir. [illegible]
- Dist. corr. [illegible]

- Corrientes.

ACAECIMIENTOS.		N	S.	E.	O.
	Primeras sumas. . . .				
	Segundas sumas. . . .				
	Diferencias				

Variaciones de la Aguja.

[illegible] 15 [illegible]

[illegible] al SE [illegible] Anochecio [illegible] y [illegible] a las 15 se [illegible] [illegible] Amanecio despejado [illegible] [illegible]

Dia 2 al 3 de [illegible] tiempo cibil, y [illegible] Astronomico de [illegible] el [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	4	[illegible]	ESE [illegible]	SO [illegible]	[illegible]	S8[illegible]	[illegible]7		[illegible]8	3[illegible]	
2	4	4									
3	4	6									
4	5	[illegible]									
5	5	2									
6	4	5									
7	4	4	SE [illegible]	SO	1°	S60 [illegible]	19,0		[illegible]	[illegible]	
8	5	[illegible]									
9	5	[illegible]									
10	5	6									
11	6	3									
12	6	[illegible]									
13	5	4									
14	[illegible]	4									
15	[illegible]	6									
16	[illegible]	6	SE	SO [illegible]		S65°E	[illegible]		[illegible]	[illegible]	
17	[illegible]	6	E[illegible]	SO	[illegible]	[illegible]	3[illegible]7	14,0		35,0	
18	6	1									
19	6	1									
20	5										
21	6	1									
22	[illegible]	6									
23	5	[illegible]									
24	[illegible]	5									

Año de 179[illegible]

Lat. sal. 36° 50, [illegible]
Dif. est. 5 [illegible] 22,0
Lat. est. [illegible]6 [illegible]6
Lat. obs.
Dif. obs.
Dif. dif.
Suma. 73 18,1
Par. med. 36 39,

Long. sal. 30 [illegible]
Difer. pl. [illegible]3,8
Correg.
Esferic. [illegible]
Long. lleg. 27 [illegible]

Rumb. dir. S7[illegible]E
Rumb. corr.

Dist. dir. 125, 5
Dist. corr.

Corrientes.

		N.	S.	E.	O.
ACAECIMIENTOS.	Primeras sumas . . .	14,0	[illegible]	[illegible]	
	Segundas sumas . . .		14,0		
	Diferencias.		229	[illegible]	

Variaciones de la Aguja

[illegible] 16° [illegible]

[illegible] al ESE [illegible] Maria Ana [illegible] sin verse nada [illegible]

[illegible]

Dia 3 *al* 4 *de* Ab.l Mier. *tiempo cibil, y* 3 *Astronomico de* ☽ *el* 4

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.
1	4	4	ESE	NO	[illegible]	S88 30 E	7,7	"	0,8	7,7	
2	4	2									
3	4	2									
4	4	4									
5	3	5									
6	3	3									
7	3	2									
8	2	4	SE 8 E	"	"	S66 E	13,0	"	05,4	11,9	
9	2	6									
10	2	4									
11	2	6									
12	1	5									
13	0									1,7	
14	1	5	E 9 S	S	6	N 71 E	01,7	00,4	"		
15	0	6	O 9 O			S 6 [illegible]	3,2	"	1,4	"	3,2
16	2	4									
17	1	3	ESE			S 85 30 E	08,1	00,7	"	8,1	"
18	2	4									
19	2	3									
20	1	4									
21	0	6									
22	0										
23	1										
24	1										

Año de 1732

Lat. sal.	N	36° 50,5
Dif. est.	S	9 29,4
Lat. est.		36 11,1
Lat. obs.	N	36 44,0
Dif. obs.	S	6,5
Dif. dif.	N	22,9
Suma.		73 [illegible]
Par. med.		36, 47,2
Long. sal.		20° 20,1
Difer. pl.		17,0
Correg.		
Esferic.		3 3
Long. lleg.		16. 18,1
Rumb. dir.		S 76 10 E
Rumb. corr.		S 88 E
Dist. dir.		[illegible]
Dist. corr.		17
Corrientes.		

	N	S	E	O
Primeras sumas. . .	01,1	06,6	19,2	3,2
Segundas sumas. . .		1,1	3,2	
Diferencias	—	6,5	16,2	—

Variaciones de la Aguja.

[illegible] 16° [illegible]

ACAECIMIENTOS.

[illegible]

Dia 4 al 5 de Abl. [illegible] tiempo civil, y 4 Astronomico de [illegible] el 15

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	1	0	ESE	S	6	N77E	03,7	0,9	[illegible]	3,6	
2	0	5									
3	1	0									
4	1	0									
5	0	0									
6	0	0									
7	1	5	[illegible]	SSE	5°	SSO 30 O	3,8	"	2,1	"	03,1
8	1	1									
9	1	5	[illegible]	SE	5°	S 36 O	10,5		8,5	"	6,[illegible]
10	1	3									
11	2	1									
12	2	2									
13	2	·									
14	1	0									
15	2	·	ENE	[illegible]	[illegible]	N 46 30 E	0,[illegible]	[illegible]		[illegible]	
16											
17	2	6	E 4ª	SSE		N 61 E	10,7	5,2		9,4	
18	3	4									
19	2	3									
20	2	3									
21	3	1	ESESE	S		N 86 30 E	12,4	1,0		12,4	
22	3	3									
23	3	2									
24											
						Primeras sumas. . .		10,4	10,6	28,9	9,3
						Segundas sumas. . .			10,4	9,3	
						Diferencias.			0,2	19,5	

Año de 1792

- Lat. sal. 36° [illegible]
- Dif. est. S 0[illegible]
- Lat. est. 36,43,8
- Lat. obs. 36,5[illegible]
- Dif. obs. [illegible]
- Dif. dif. 8[illegible]
- Suma. 73 36
- Par. med. 36. 48.
- Long. sal. 26.18,1
- Difer. pl. 19 5
- Correg.
- Esferic. 23,1
- Long. Reg. 26.° 75.
- Rumb. dir. E
- Rumb. corr. [illegible] 6[illegible] 8[illegible]
- Dist. dir. [illegible]
- Dist. corr. [illegible]
- Corrientes.

Variaciones de la Aguja

[illegible] 10 60.

ACAECIMIENTOS.

Continuamos [illegible] el [illegible] S [illegible] claro [illegible] [illegible]
[illegible]
[illegible]
[illegible]
[illegible] las mismas [illegible]
[illegible]
[illegible] SSE [illegible]
[illegible]
[illegible]
[illegible]
[illegible]

Dia 5 al 6 de Abl Viern. tiempo cibil, y 5 Astronomico de D el 16

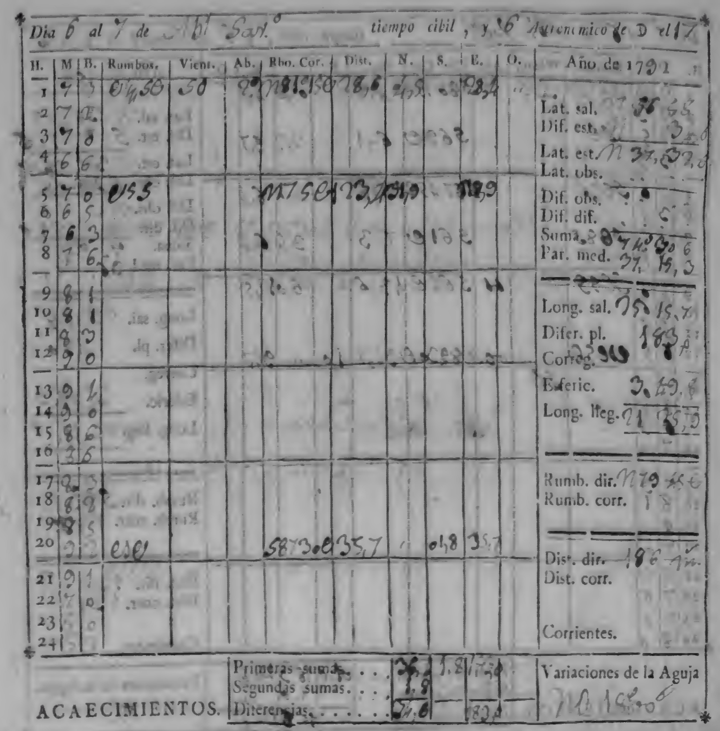
H.	M.	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S	E.	O.
1	2	3	SE¼E	SO	4½	S80 15E	4,8		0,8	4,7	
2	2	3									
3	2	5	SO			S69E	6,1		2,2	5,7	
4	3	5									
5	4	•	SE¼		[illegible]	S67 45E	[illegible]	[illegible]	[illegible]	6,1	
6	3	4									
7	3	4	SESE			S61E	7,3		3,5	6,4	
8	3	5									
9	4	•	SESS		4	S64E	13,6		6,0	12,5	
10	4	6									
11	4	5									
12	6	5	OESE		00.	N89.30E	34,7	1,0	..	34,7	
13	7	•		SO							
14	6	4									
15	6	3									
16	7	2									
17	7	3									
18	8	1									
19	8	0									
20	7	0									
21	6	5									
22	7	6									
23	4	4									
24	8	0									
					Primeras sumas. . . .			1,0	16,3	79,4	
					Segundas sumas. . . .				1,0		
ACAECIMIENTOS.					Diferencias				15,3	79,4	

Año de 1793

Lat. sal.	36	52
Dif. est.	5	15,6
Lat. est.	36	36,4
Lat. obs.	36	[illegible]
Dif. obs.		6
Dif. dif.		11,0
Suma.	72	50
Par. med.	36	55
Long. sal.	22	58
Difer. pl.		130,2
Correg.		
Esferic.	2.	42.3
Long. lleg.	25.	13. 7
Rumb. dir.	S83	
Rumb. corr.	N85	
Dist. dir.	13	
Dist. corr.	131	
Corrientes.		

Variaciones de la Aguja.
17°

acaecimientos. Al [illegible] corrodo aparº cinº el 4H S¼SO fiero Mar [illegible] gla [illegible] algo caro la [illegible] afin de [illegible] 6 [illegible] con [illegible] [illegible] Olas [illegible] la [illegible] el [illegible] y [illegible] de Viven [illegible] [illegible] [illegible] Mariu nos pu [illegible] [illegible] [illegible] Amanº [illegible] S Otaeso y la Mar [illegible] y N. SO.



Dia 6 *al* 7 *de* Abl. Sar.o *tiempo cibil*, *y* 6 *Astronomico de* D el 17

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	7	3	E¼NE	SO		N81°50E	78,6	11,2		78,2	
2	7	6									
3	7	0									
4	6	6									
5	7	0	ESE			N75°E	23,2	6,0		22,2	
6	6	5									
7	6	3									
8	7	6									
9	8	1									
10	8	1									
11	8	3									
12	9	0									
13	9	1									
14	9	0									
15	8	6									
16	3	6									
17	9	3									
18	8	2									
19	8	5									
20	9		ESE			S73°E	35,7		10,8	35,7	
21	9	1									
22	7	0									
23		0									
24											

ACAECIMIENTOS.		N.	S.	E.	O.
	Primeras sumas. . .	36,?	1,8	173,?	
	Segundas sumas. . .	1,8			
	Diferencias.	34,6		173,?	

Año de 1791

Lat. sal. 36 58
Dif. est. 1 3 3,6
Lat. est. N 37 32,6
Lat. obs.
Dif. obs.
Dif. dif. 5
Suma 74 40 6
Par. med. 37 15,3

Long. sal. 75 15,7
Difer. pl. 183
Correg.
Esferic. 3 49,6
Long. lleg. 71 25,9

Rumb. dir. N 79 46 E
Rumb. corr.

Dist. dir. 186 4/10
Dist. corr.

Corrientes.

Variaciones de la Aguja
N 12°0' ?

[illegible] en demanda [illegible] Virginia [illegible] mar de el y los [illegible]
Anochecio [illegible] [illegible] Y [illegible] [illegible] A man[illegible]
en lo mismo tomamos alas 13 [illegible] al ESE.

Dia 7 *al* 8 *de* Abril Domingo *tiempo cibil, y* 7 *Astronomico de* ☽ *el* 18

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.
1	5	8	ESE	OSO	[illegible]	S83°30E	24,[illegible]		6,8	20,7	
2	5	0									
3	5	2									
4	5	5									
5	5	7	S¼E	[illegible]	4	S83 15E	18,2		16,0	129,[illegible]	
6	5	9									
7	5	6									
8	5	5									
9	6	0		SO¼							
10	6	0									
11	7	[illegible]									
12	7	5									
13	7	4									
14	7	1									
15	7	3									
16	7	3									
17	7	7									
18	7	2									
19	6	3									
20	6	[illegible]									
21	6	1									
22	6	2									
23	5	5									
24	5	0									

	N	S.	E.	O.
Primeras sumas. . . .	34,6	16,8	149	
Segundas sumas. . . .	16,8		183	
Diferencias	17,8		33,7	

Año de 1792

Lat. sal. N 36. 58
Dif. est. N 17,8
Lat. est. N 37. 15,8
Lat. obs. N 37. 15
Dif. obs. N 17,0
Dif. dif. [illegible]
Suma. 74 33
Par. med. 37. 21,5

Long. sal. 25. 15,7
Difer. pl. 33,7
Correg.
Esferic. 6. 58,0
Long. lleg. 18. 17,5

Rumb. dir. S83. 18 E
Rumb. corr. S 86 E

Dist. dir. 150 mi.
Dist. corr. 330 mi.

Corrientes.

Variaciones de la Aguja.
N.E. 19°. 02'

ACAECIMIENTOS.

[illegible]

Dia 8 *al* 9 *de* Abl. [illegible] *tiempo civil* , y 8 *Astronomico de* 9 *el* 10

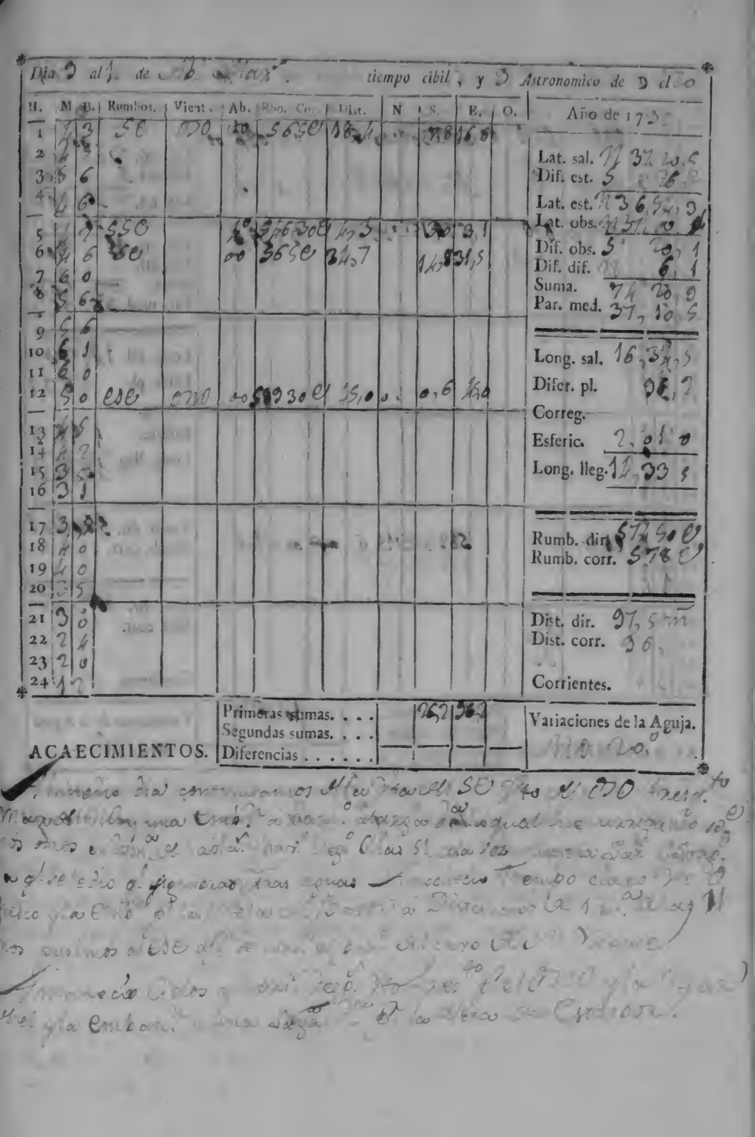
H.	M.	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	5	7	SESE	SSO	6	S57SE	10,6		29	18,5	
2	5	4									
3	4	6	SE¼S		8	S77E	51,4		16,0	22,0	
4	4	5									
5	4	1									
6	4	0									
7	4	0									
8	3	7									
9	3	2									
10	3	5									
11	3	3									
12	2	6									
13	3	1									
14	2	6									
15	2	3									
16	2	1									
17	2	4									
18	2	6	SE¼P	OSO	7°	S66O	24,3		10,0	22,1	
19	3	1									
20	3	4									
21	3	4									
22	3	3									
23	3	5									
24	3	7									
						Primeras sumas . . .			71,[illegible]	81,0	
						Segundas sumas. . .					
						Diferencias.					

ACAECIMIENTOS.

Año de 1792

Lat. sal.	N 37° 45
Dif. est.	S 28,9
Lat. est.	37 16,1
Lat. obs.	N 37 20,5
Dif. obs.	S 24,5
Dif. dif.	N 4,4
Suma.	75 05,5
Par. med.	37 32,7
Long. sal.	18 17,7
Difer. pl.	81,6
Correg.	
Esferic.	1 43,2
Long. lleg.	16 34,5
Rumb. dir.	S70 36,0
Rumb. corr.	S73 26 O
Dist. dir.	86,[illegible]
Dist. corr.	85,[illegible]
Corrientes.	
Variaciones de la Aguja	NO 19° 00

[illegible]



Dia 9 al 10 de … tiempo cibil, y 9 Astronomico de 9 el 10

H.	M.	B.	Rumbos.	Vient.	Ab.	Rbo. Co.	Dist.	N.	S.	E.	O.
1		3	SE	NNO		S 65 E					
2		5									
3	5	6									
4		6									
5			SSE								
6		6	SE			S 65 E	34,7		14,8	31,5	
7	6	0									
8	5	6									
9	5	6									
10	6	1									
11	6	0									
12	5	0	ESE	ONO			15,0		0,6		
13											
14		2									
15	3										
16	3	1									
17	3										
18	4	0									
19	4	0									
20	3	5									
21	3	0									
22	2	4									
23	2	0									
24	1										

Primeras sumas. . . .					
Segundas sumas. . . .					
Diferencias					

Año de 173

Lat. sal.	37 20,5
Dif. est.	5
Lat. est.	36
Lat. obs.	
Dif. obs.	5
Dif. dif.	6 1
Suma.	74 20 0
Par. med.	37 10 5
Long. sal.	16
Difer. pl.	
Correg.	
Esferic.	2
Long. lleg.	
Rumb. dir.	S 74 E
Rumb. corr.	S 78 E
Dist. dir.	97,5
Dist. corr.	96
Corrientes.	

Variaciones de la Aguja.

ACAECIMIENTOS.

Dia 10 *al* 11 *de* [illegible] *tiempo cibil*, *y* 10 *Astronomico de* [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	1	1	ESE	0?0	00	S89 30 E	08,6		0,5	08,6	00
2	1	3									
3	2	2		0							
4	3	3									
5	2	3	SE¼E	070		S76 15 E	39,1		9,5	3[illegible]	
6	2	7				[illegible]		[illegible]			
7	3	6									
8	3	4									
9	3	4									
10	3	2									
11	3	1									
12	3	1									
13	2	3									
14	2	0									
15	2	8									
16	1	1									
17	1	6									
18	1	6	WE			S89 30 E	15,6		0,1	15,6	
19	2	0									
20	1	6									
21	1			50							
22				070							
23				550							
24	0	1									

Año de 179[illegible]	
Lat. sal.	37°
Dif. est.	5 10
Lat. est.	N 36, 50
Lat. obs.	N 36, 50
Dif. obs.	[illegible] 10
Dif. dif.	
Suma.	73, 50,6
Par. med.	36, 55,3
Long. sal.	14, 33
Difer. pl.	62,8
Correg.	
Esferic.	1 18,3
Long. lleg.	13 15,2
Rumb. dir.	S 80 40 E
Rumb. corr.	
Dist. dir.	63 3/4
Dist. corr.	
Corrientes.	

	N.	S.	E.	O.
Primeras sumas . . .		10,2	62,8	
Segundas sumas. . .				
Diferencias.				

Variaciones de la Aguja: 20 NO

ACAECIMIENTOS.

Corri en el S[illegible] [illegible] al ESE con [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] ylos [illegible] ing[illegible] unido Amanecio buen tiempo [illegible] [illegible] [illegible] [illegible] [illegible] Amanecio.

Dia 11 al 12 de Ab[illegible] tiempo cibil, y 11 Astronomico de ☽ el 22

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N	S.	E.	O.
1	3	2	ESE	50	[illegible]	S85 50 E	84	[illegible]	[illegible]	[illegible]	
2	3	1									
3	3	0									
4	2	1									
5	2	2									
6	2	2									
7	2	5									
8	3	5									
9	4	0									
10	4	0									
11	4	0									
12	3	8									
13	3	3									
14	3	3									
15	3	2									
16	3	0									
17	3	0									
18	3	1									
19	3	4									
20	3	5									
21	4	3									
22	5	0									
23	4	5									
24	3	5									
						Primeras sumas. . . .					
						Segundas sumas. . . .					
						Diferencias					

Año de 1792

Lat. sal.	N 36. 50.2
Dif. est.	S 1.0
Lat. est.	N 36. [illegible]
Lat. obs.	N 37. [illegible]
Dif. obs.	N 44.8
Dif. dif.	N 42.8
Suma.	73 [illegible]
Par. med.	36 50.1
Long. sal.	13. 15.2
Difer. pl.	84.0
Correg.	
Esferic.	1. 45.0
Long. lleg.	11. 30.2
Rumb. dir.	S 56 E
Rumb. corr.	N 80 E
Dist. dir.	84 m
Dist. corr.	85 m
Corrientes.	

Variaciones de la Aguja.
N [illegible]

ACAECIMIENTOS.

Continuamos el mismo Rbo con todo aparejo por [illegible] Calmoso de 5 [illegible] [illegible] Anochecio buen tiempo [illegible] [illegible] varias [illegible] [illegible] 5 [illegible] [illegible] [illegible] por [illegible] [illegible] [illegible] 33 [illegible] descubrio [illegible]

Dia [illegible] al 13 de Ab.[illegible] tiempo civil, y 13 Astronomico de D el 3

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.	Año de 1792	
1	3	3	ese	so		S 80 [illegible]	6.6						
2	3	1		no								Lat. sal.	N 37.° 22
3	3	0	se¼e			S 76 15 e	16.5					Dif. est.	S 0 32
4	0	0										Lat. est.	N 36 58
												Lat. obs.	
5	3	1		no								Dif. obs.	
6	3	5										Dif. dif.	
7	2	7										Suma.	74 21
8	3	5										Par. med.	0 0
9	3	0											
10	3	5										Long. sal.	13 0 2
11	3	1										Difer. pl.	[illegible]
12	3	3										Correg.	
13	3	5										Esferic.	[illegible]
14	[illegible]	5										Long. lleg.	11 0 2
15	1	2											
16	3	6											
17	3	3										Rumb. dir.	S 82 e
18	3	2	ese			S 80 [illegible]	03.6					Rumb. corr.	[illegible]
19	2	1											
20	1	0											
												Dist. dir.	[illegible]
21	1	0										Dist. corr.	
22	1	0											
23	0	2											
24	1	6										Corrientes.	Se

		N.	S.	E.	O.	
	Primeras sumas . . .					Variaciones de la Aguja
	Segundas sumas . . .					20 [illegible]
ACAECIMIENTOS.	Diferencias.					

[illegible] en [illegible] [illegible] ese [illegible] 1 M e
y [illegible] el [illegible] el cabo de S [illegible] al [illegible] 50 e y
[illegible] al N 73 e [illegible] en la [illegible] 15.° 0.0 [illegible]
[illegible] Erro [illegible] 11° 03 [illegible]
[illegible] el Anoo.° Tiempo [illegible] el [illegible] Annonco [illegible]
[illegible]
[illegible]
[illegible] al N 85 E [illegible]
[illegible] C.° S. [illegible] al N 73 e [illegible] al 39 9 [illegible]
[illegible] dia [illegible] en la Long.d [illegible] 10 35 5
[illegible] la Ultima [illegible] 15. 8 [illegible]
[illegible] 10 3

Dia 13 al 14 de A.l .... tiempo cibil, y 13 Astronomico de .... 179?

H.	M.	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	1	0	ESE	[illegible]	0	[illegible]	8,3		0,2	8,3	
2	1	0									
3	2	0									
4	1										
5	4	3	ESECE			[illegible]	11	0,5		11,6	
6	3	6									
7	3	3									
8	3	0	ESE			S87.30E	18,1		0,2	18,0	
9	2	2									
10	2	2									
11	2	2									
12	1	1									
13	2	0									
14	1	1									
15	1	0									
16	1	0									
17	0	3									
18	0	4									
19	2	1	ESE.S	SSO	6	S82.30E	05,0		0,0	5,0	
20	2	5									
21	3	1	E	SSE		N54E	6,1	3,5		4,9	
22	3	0									
23	1	5	E.SE			S75.30E	2,7	0,7		2,6	
24	1	0									
						Primeras sumas. . . .		4,1	2,3	50,4	
						Segundas sumas. . . .		2,3			
						Diferencias		2,4			

Año de 179?

Lat. sal.	N 36.	4?
Dif. est.	N	2. ?
Lat. est.	N 36.	4?
Lat. obs.	N 36.	?
Dif. obs.		
Dif. dif.	5	0
Suma.	73	32
Par. med.	36.	46
Long. sal.	10	32.5
Difer. pl.		50.4
Correg.		
Esferic.	1,	02.5
Long. lleg.	9,	30.0
Rumb. dir.	S 87 E	
Rumb. corr.		
Dist. dir.	51	
Dist. corr.		
Corrientes.		

Variaciones de la Aguja.

?° 20. 30

ACAECIMIENTOS.

[illegible handwritten entries] ... 64° ... [illegible]

[illegible] ... la ... hecha ... [illegible] ... ESE ... [illegible]

Dia 14 al 15 de [illegible] tiempo cibil, y 15 Astronomico de [illegible]

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.
1	3		SESE	SSO	6						
2		2									
3		1	SE	O							
4			SSESE								
5		1									
6	6	0									
7											
8		6									
9		3	SSOSE	O							
10											
11											
12		3	SE¼S	SO							
13	1	3									
14				SSO							
15											
16											
17	9	5									
18											
19											
20											
21											
22											
23											
24											

Año de 17[illegible]

Lat. sal.
Dif. est.
Lat. est.
Lat. obs.
Dif. obs.
Dif. dif.
Suma.
Par. med.

Long. sal.
Difer. pl.
Correg.
Esferic.
Long. lleg.

Rumb. dir.
Rumb. corr.

Dist. dir.
Dist. corr.

Corrientes.

Primeras sumas. . . .				
Segundas sumas. . . .				
Diferencias.				

Variaciones de la Aguja

ACAECIMIENTOS.

[illegible] A las 6 [illegible] [illegible] SSO [illegible] SE¼S [illegible] a las [illegible] haviendo sondado 15 [illegible]

Dia al de tiempo civil, y Astronomico de ☽ el

H.	M	B.	Rumbos.	Vient.	Ab.	Rbo. Cor.	Dist.	N.	S.	E.	O.	Año de 17
1												
2												Lat. sal.
3												Dif. est.
4												Lat. est. Lat. obs.
5												Dif. obs.
6												Dif. dif.
7												Suma.
8												Par. med.
9												
10												Long. sal.
11												Difer. pl.
12												Correg.
13												Esferic.
14												Long. lleg.
15												
16												
17												Rumb. dir.
18												Rumb. corr.
19												
20												
21												Dist. dir. Dist. corr.
22												
23												
24												Corrientes.

	Primeras sumas. . . .					Variaciones de la Aguja
	Segundas sumas. . . .					
ACAECIMIENTOS.	Diferencias.					

